

Publications

In press

Wolf S, Paul-Limoges E, Sayler D, Kirchner JW (2024, *in press*) Dynamics of evapotranspiration from concurrent above- and below-canopy flux measurements in a montane Sierra Nevada forest. *Agricultural and Forest Meteorology* 346: 109864 (<https://www.sciencedirect.com/science/article/pii/S0168192323005543>)

In review/revision

Baldocchi DD, Verfaillie J, Ma S, **Wolf S**, Rey Sanchez C, Wang T, Szutu D (*in revision*) New Steps Towards Solving the Energy Balance Closure Mystery. *Agricultural and Forest Meteorology*

Wankemüller FJP, Delval L, Lehmann P, Baur MJ, Cecere A, **Wolf S**, Or D, Javaux M, Carminati A (*in revision*) Global influence of soil texture on ecosystem water limitation. *Nature*

Journal Articles

Miller LM, **Wolf S**, Fisher JB, Zaitchik B, Xiao, J., Keenan TF (2023) Increased photosynthesis during spring drought in energy-limited ecosystems. *Nature Communications* 14: 7828 (<https://www.nature.com/articles/s41467-023-43430-9>)

Wolf S & Paul-Limoges E (2023) Drought and heat reduce forest carbon uptake. *Nature Communications* 14: 6217 (<https://www.nature.com/articles/s41467-023-41854-x>)

Zhang W, Jung M, Migliavacca M, Poyatos R, Miralles D, El-Madany TS, Galvagno M, Carrara A, Ibrom A, Mammarella I, Papale D, Cleverly J, Liddell M, Wohlfahrt G, Markwitz C, Mauder M, Paul-Limoges E, Schmidt M, **Wolf S**, Brümmer C, Arain MA, Fares S, Kato T, Ardö J, Oechel W, Hanson C, Korhonen M, Biraud S, Steinbrecher R, Billesbach D, Montagnani L, Woodgate W, Shao C, Carvalhais N, Reichstein M, Nelson JA (2023) The effect of relative humidity on eddy covariance latent heat flux measurements and its implication for partitioning into transpiration and evaporation. *Agricultural and Forest Meteorology* 330: 109305 (<https://www.sciencedirect.com/science/article/pii/S0168192322004919>)

Migliavacca M, Musavi T, Mahecha MD, Nelson JA, Knauer J, Baldocchi DD, Perez-Priego O, Christiansen R, Peters J, Anderson K, Bahn M, Black AT, Blanken PD, Bonal D, Buchmann N, Caldararu S, Carrara A, Carvalhais N, Cescatti A, Chen J, Cleverly J, Cremonese E, Desai AR, El-Madany TS, Farella MM, Fernández-Martínez M, Filippa G, Forkel M, Galvagno M, Gomasasca U, Gough CM, Göckede M, Ibrom A, Ikawa H, Janssens IA, Jung M, Kattge J, Keenan TF, Knohl A, Kobayashi H, Kraemer G, Law BE, Lidell MJ, Ma X, Mammarella I, Martini D, MacFarlane C, Matteucci G, Montagnani L, Pabon-Moreno DE, Panigada C, Papale D, Pendall E, Penuelas J, Phillips RP, Reich PB, Rossini M, Rotenberg E, Scott RL, Stahl C, Weber U, Wohlfahrt G, **Wolf S**, Wright IJ, Yakir D, Zaehle S, Reichstein M (2021) The three major axes of terrestrial ecosystem function. *Nature* 598(7881): 468-472 (<https://www.nature.com/articles/s41586-021-03939-9>)

Johnston ASA, Meade A, Ardö J, Arriga N, Bonal D, Black A, Blanken PD, Brümmer C, Cescatti A, Dušek J, Graf A, Gioli B, Godec I, Gough CM, Ikawa H, Jassal R, Kobayashi H, Magliulo V, Manca G, Montagnani L, Moyano FE, Olesen JE, Sachs T, Shao C, Tagesson T, Wohlfahrt G, **Wolf S**, Woodgate W, Varlagin A, Venditti C (2021) Temperature thresholds of ecosystem respiration at a global scale. *Nature Ecology & Evolution* 5(4): 487-494 (<https://www.nature.com/articles/s41559-021-01398-z>)

Ma S, Eichelmann E, **Wolf S**, Rey-Sanchez C, Baldocchi DD (2020) Transpiration and evaporation in a Californian oak-grass savanna: Field measurements and partitioning model results. *Agricultural and Forest Meteorology* 295: 108204

Cooper AE, Kirchner JW, **Wolf S**, Lombardozzi DL, Sullivan BW, Tyler SW, Harpold AA (2020) Snowmelt causes different limitations on transpiration in a Sierra Nevada conifer forest. *Agricultural and Forest Meteorology* 291: 108089

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Book chapters, Monographs and Reports

- Wolf S** (2010) Carbon dioxide and water vapour fluxes of tropical pasture and afforestation: seasonal variations of net ecosystem exchange and carbon sequestration potentials. *DISS. ETH NO. 19415*, ETH Zurich, 163 p
- Wolf S**, Eugster W, Buchmann N (2009) Effects of Land Use on Carbon Cycling of Tropical Ecosystems in Panama. In: Tielkes E (ed.): *Tropentag 2009, Biophysical and Socio-economic Frame Conditions for the Sustainable Management of Natural Resources*, Hamburg
- Walz U, **Wolf S**, Neubert M (2008) Impact of Landscape Change on Landscape Functions in the Saxon Switzerland. In: Csaplovics E, Wagenknecht S, Seiler U (eds.): *Spatial Information Systems for Transnational Environmental Management of Protected Areas and Regions in the Central European Space*. Rhombus, Berlin. pp 105-117
- Wolf S**, Walz U (2007) Auswirkungen einer veränderten Landnutzungsstruktur auf die Bodenerosion. In: Strobl J, Blaschke TH, Griesebner G (Hrsg.): *Angewandte Geoinformatik 2007. Beiträge zum 19. AGIT-Symposium Salzburg*. Wichmann, Heidelberg, pp 867-872
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- Wolf S** (2004) Landschaftszerschneidung – Grenzüberschreitende Untersuchung der Entwicklung und ihrer Auswirkungen für das Gebiet der Sächsisch-Böhmischen Schweiz. *Studienarbeit (Research Assignment)*, Dresden University of Technology, Institute of Geography, 40 p
- Roberts A, Dragicevic S, Northrup J, **Wolf S**, Li Y, Coburn C (2003) Mountain Pine Beetle Detection and Monitoring - Remote Sensing Evaluations. *Forestry Innovation Investment Operational Report*, 45 p
- Roberts A, Northrup J, **Wolf S**, Li Y (2003) Mountain Pine Beetle Detection and Monitoring - Interpretation and Evaluation of Airborne Imagery. *West Fraser Sawmills Report*, 22 p

Miscellaneous

- Wolf S** (2013) Insight: forests use water more efficiently during spring drought. *EnvironmentalResearchWeb*. environmentalresearchweb.org/cws/article/news/54686
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Data Sets

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- Wolf S**, Eugster W, Buchmann N (2016) FLUXNET2015 Dataset: Carbon, water and energy flux data for the site Sardinilla Pasture (PA-SPs), 2007-2009, DOI: 10.18140/FLX/1440179, <https://fluxnet.fluxdata.org/doi/FLUXNET2015/PA-SPs>
- Wolf S**, Eugster W, Buchmann N (2016) FLUXNET2015 Dataset: Carbon, water and energy flux data for the site Sardinilla Plantation (PA-SPn), 2007-2009, DOI: 10.18140/FLX/1440180, <https://fluxnet.fluxdata.org/doi/FLUXNET2015/PA-SPn>

Presentations

Talks

- Wolf S (26.06.2023) The Eddy Covariance Method – measuring Biosphere-Atmosphere Exchange of Ecosystems. Physics of Soils and Terrestrial Ecosystems Seminar, ETH Zurich (Switzerland)
- Wolf S, Paul-Limoges E, Saylor D, Kirchner JW (28.04.2023) Evapotranspiration dynamics and partitioning from concurrent above and below canopy flux measurements in a Montane Sierra Nevada Forest. EGU General Assembly, 24.-28.04.2023, Vienna (Austria)
- Wolf S & Kirchner JW (10.04.2019) Dynamics of Evapotranspiration Partitioning with Concurrent Subcanopy Flux Measurements in a Montane Sierra Nevada Forest. EGU General Assembly, 08.-12.04.2019, Vienna (Austria)
- Wolf S (18.06.2018) Impacts of Drought on Biosphere-Atmosphere Interactions. Climate Conversations, Lawrence Berkeley National Laboratory, Berkeley (USA) – *invited*
- Wolf S & Kirchner JW (04.06.2018) Temporal Dynamics of Below and Above Canopy Evapotranspiration at Sagehen. Sagehen Hydroecology Meeting, Sagehen Creek Field Station (USA)
- Wolf S & Kirchner JW (14.05.2018) Temporal Dynamics of Below and Above Canopy Evapotranspiration in a Montane Sierra Nevada Forest. 33rd Conference on Agricultural and Forest Meteorology (American Meteorological Society), 14.-17.05.2018, Boise ID (USA)
- Wolf S *et al.* (14.05.2018) Subcanopy Flux Measurements in Forest Ecosystems. Fourth Conference on Biogeosciences (American Meteorological Society), 14.-17.05.2018, Boise ID (USA)
- Wolf S (25.09.2017) Biosphere-Atmosphere Exchange of Trace Gases. OPTIMISE Workshop on 'Ecosystem specific metadata definition', Luxembourg Institute of Science and Technology (LIST), Esch-sur-Alzette (Luxembourg) – *invited*
- Wolf S (14.09.2017) Subcanopy Flux Measurements in Forest Ecosystems. ITES rDAY, ETH Zurich (Switzerland)
- Wolf S *et al.* (08.06.2017) Water Flux Partitioning. Breakout Discussion at FLUXNET Workshop, Berkeley (USA) – *invited*
- Wolf S (31.05.2017) Interactions of Carbon and Water Cycle during Warm Spring and Summer Drought. Carbon Club Seminar, NASA Jet Propulsion Laboratory (JPL), Pasadena (USA) – *invited*
- Roderick ML, Wolf S, Yin D (15.05.2017) Drought and other heresies. Soil and Terrestrial Environmental Physics Seminar, ETH Zurich (Switzerland)
- Roderick ML, Wolf S, Yin D (25.04.2017) Separating warming-induced drought from drought-induced warming. EGU General Assembly, 24.-28.04.2017, Vienna (Austria) – *invited*
- Wolf S *et al.* (12.12.2016) Using Radiative Signatures to Diagnose the Cause of Warming Associated with the Californian Drought. AGU Fall Meeting 2016, San Francisco (USA)
- Wolf S (12.12.2016) Radiative Signatures and Warming during the recent Californian Drought. Physics of Environmental Systems Seminar, ETH Zurich (Switzerland)
- Wolf S (09.11.2016) Carbon-Water Interactions during Warm Spring and Summer Drought. ZHydro Seminar, ETH Zurich (Switzerland)
- Wolf S (05.09.2016) Impacts of Seasonal Climate Anomalies on the Biosphere-Atmosphere Exchange of Carbon, Water and Energy. Physics of Environmental Systems Seminar, ETH Zurich (Switzerland) – *invited*
- Wolf S *et al.* (23.06.2016) Warm Spring Reduced Carbon Cycle Impact of the 2012 US Summer Drought. 32th Conference on Agricultural and Forest Meteorology / 3rd Conference on Atmospheric Biogeosciences (AMS meeting), 20.-24.06.2016, Salt Lake City UT (USA)
- Wolf S *et al.* (22.06.2016) Using Radiative Signatures to Diagnose the Cause of Warming Associated with the Californian Drought. 32th Conference on Agricultural and Forest Meteorology / 3rd Conference on Atmospheric Biogeosciences (AMS meeting), 20.-24.06.2016, Salt Lake City UT (USA)
- Wolf S *et al.* (16.12.2015) Subcanopy Flux Measurements in Forest Ecosystems. AGU Fall Meeting 2015, San Francisco (USA)

Wolf S (02.09.2015) Biosphere-atmosphere Interactions and the Impact of Drought on Ecosystem Carbon and Water Fluxes. Interdisciplinary Topics in Earth and Environment, Wageningen University (The Netherlands) – *invited*

Wolf S & Eugster W (25.08.2015) Biosphere–Atmosphere Exchange of Ecosystems – The Eddy-Covariance Method. NFZ-Summer School 2015 FORESCALE, Climate change impacts on forest ecosystems. Fafleralp (Switzerland)

Wolf S (21.04.2015) Einfluss von Frühlingstrockenheit 2011 auf den Kohlenstoff- und Wasserhaushalt von Grasland und Wald. Informationsabend ETH-Forschungsstation Chamau (Switzerland)

Wolf S *et al.* (15.04.2015) Warm Spring Reduced Impact of Summer Drought on Carbon Cycling. EGU General Assembly 2015, Vienna (Austria)

Wolf S (12.03.2015) Biosphere-atmosphere Interactions and the Impact of Drought on Ecosystem Carbon and Water Fluxes. Botanical Lecture Series, University of Basel (Switzerland) – *invited*

Wolf S (16.02.2015) Warm Spring Reduced Impact of Summer Drought on Carbon Cycling. Grassland Seminar, ETH Zurich (Switzerland)

Wolf S *et al.* (15.12.2014) Warm Spring Reduced Impact of Summer Drought on Carbon Cycling. AGU Fall Meeting 2014, San Francisco (USA)

Wolf S *et al.* (13.05.2014) Large-scale reductions in gross primary productivity and evapotranspiration caused by the 2012 US drought. 31th Conference on Agricultural and Forest Meteorology/2nd Conference on Atmospheric Biogeosciences (AMS meeting), 12.-15.05.2014, Portland OR (USA)

Wolf S (05.05.2014) Synthesis of the 2012 U.S. drought: Impact on ecosystem fluxes and implications for the future. AmeriFlux Annual PI Meeting, 04.-05.05.2014, Potomac MD (USA) – *invited*

Wolf S (12.03.2014) Impact of the 2012 US drought on ecosystem carbon and water fluxes. Biometeorology lab meeting, University of California, Berkeley (USA)

Wolf S *et al.* (09.12.2013) Impact of the 2012 US drought on ecosystem carbon and water fluxes. AGU Fall Meeting 2013, San Francisco (USA) – *invited*

Wolf S, Tomelleri E (19.09.2013) GHG-Europe Young Scientists. GHG-Europe Project Meeting, Antwerp (Belgium)

Wolf S (12.09.2013) Biosphere-atmosphere interactions and the impact of drought on ecosystem fluxes. University of Montreal, Department of Geography, Montreal (Canada)

Wolf S (22.08.2013) FLUXNET Young Scientist Network (YSN). Joint AsiaFlux / HESSS / KSAFM Meeting, Seoul National University, Seoul (South Korea), remote talk – *invited*

Wolf S (18.04.2013) Carbon Sequestration of Tropical Pasture and Afforestation in Panama. Lecture in ESPM Seminar, University of California, Berkeley (USA)

Wolf S *et al.* (26.03.2013) Contrasting response of grassland versus forest carbon and water fluxes to spring drought in Switzerland. Science Talkshop, Institute of Agricultural Sciences, ETH Zurich (Switzerland)

Wolf S, Baldocchi D (06.12.2012) Flux Partitioning of Water Vapour and Carbon Dioxide in a Californian Oak Savanna. AGU Fall Meeting 2012, San Francisco (USA)

Wolf S *et al.* (06.08.2012) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. Land-Climate Interactions Group Seminar, Institute for Atmospheric and Climate Science, ETH Zurich (Switzerland)

Wolf S *et al.* (25.06.2012) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. Biometeorology and Soil Physics Group lab meeting, University of British Columbia, Vancouver (Canada)

Wolf S *et al.* (20.06.2012) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. Biometeorology lab meeting, University of California, Berkeley (USA)

Wolf S *et al.* (31.05.2012) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. 30th Conference on Agricultural and Forest Meteorology/First Conference on Atmospheric Biogeosciences (AMS meeting), Boston (USA)

Wolf S *et al.* (09.12.2011) Seasonal variability of CO₂ and H₂O fluxes in tropical pasture and afforestation. AGU Fall Meeting 2011, San Francisco (USA) – *invited*

Wolf S *et al.* (06.12.2011) Impact of spring drought on ecosystem carbon and water dynamics in Switzerland. AGU Fall Meeting 2011, San Francisco (USA)

- Wolf S (08.06.2011) Turbulente Ökosystemflüsse von CO₂ und H₂O in tropischer Weide und Aufforstung in Panama. Geographisches Kolloquium, Dresden University of Technology (Germany) – *invited*
- Wolf S, Eugster W, Buchmann N (14.12.2010) Ecosystem carbon-water interactions of tropical pasture and afforestation. AGU Fall Meeting 2010, San Francisco (USA)
- Wolf S (26.11.2010) Carbon dioxide and water vapour fluxes of tropical pasture and afforestation: seasonal variations of net ecosystem exchange and carbon sequestration potentials. PhD defence, ETH Zurich (Switzerland)
- Wolf S *et al.* (20.11.2010) Ecosystem carbon budgets of tropical pasture versus afforestation. Swiss Geoscience Meeting, Fribourg (Switzerland)
- Wolf S (15.11.2010) Carbon and water fluxes of pasture and afforestation in Panama. Seminar Current Topics in Grassland Sciences, ETH Zurich (Switzerland)
- Wolf S (01.02.2010) Carbon cycling of two tropical ecosystems. Bambi Seminar, Smithsonian Tropical Research Institute (STRI). Barro Colorado Island (Panama)
- Wolf S *et al.* (07.12.2009) Land use and carbon cycling of tropical ecosystems in Panama. Colloquium in Plant Sciences, ETH Zurich (Switzerland)
- Wolf S, Eugster W, Buchmann N (08.10.2009) Land use and CO₂ fluxes of tropical ecosystems in Panama. Institute of Soil Sciences (IFB), University of Hamburg (Germany)
- Wolf S *et al.* (07.10.2009) Effects of Land Use on Carbon Cycling of Tropical Ecosystems in Panama. Tropentag 2009, University of Hamburg (Germany)
- Wolf S, Plath M (08.09.2009) How reforestation could improve small farmers' livelihood in the tropics. North-South Centre Progress Forum 2009, ETH Zurich (Switzerland)
- Wolf S (12.06.2009) Carbon cycling of two tropical ecosystems in Panama. Tropical Field Biology course of Butler University, Smithsonian Tropical Research Institute (STRI). Gamboa (Panama)
- Wolf S (05.05.2009) Net ecosystem exchange of two tropical ecosystems in Panama. Seminar Current Topics in Grassland Sciences, ETH Zurich (Switzerland)
- Wolf S (07.04.2009): Net ecosystem exchange of two tropical ecosystems in Panama. Center for Tropical Forest Research (CTFS) science meeting, Smithsonian Tropical Research Institute (STRI). Panama City (Panama)
- Wolf S *et al.* (25.03.2009) Sustainable agroforestry for carbon sequestration to improve small farmers' livelihood in the tropics - Plant productivity and carbon sequestration potentials. Project Meeting Panama, Georg-August-University Göttingen (Germany).
- Wolf S *et al.* (28.10.2008) The global low temperature treeline phenomenon, Bolivia - the world's highest treeline. PSC Colloquium Challenges in Plant Sciences, ETH Zurich (Switzerland)
- Wolf S (17.06.2008) Eddy covariance measurements - lessons learned about breathing of the terrestrial biosphere. Center for Tropical Forest Research (CTFS) science meeting, Smithsonian Tropical Research Institute (STRI). Panama City (Panama) – *invited*
- Wolf S (06.05.2008) Effects of land use on carbon sequestration potentials in Panama. Seminar Current Topics in Grassland Sciences, ETH Zurich (Switzerland)
- Wolf S, Buchmann N, Eugster W, Schneebeli M (14.01.2008) Sustainable agroforestry for carbon sequestration to improve small farmers' livelihood in the tropics - Plant productivity and carbon sequestration potentials. Project Meeting Panama, Johannes Gutenberg University Mainz (Germany)
- Wolf S (11.12.2007) Land-atmosphere interactions of ecosystems - Partitioning of ecosystem fluxes using $\delta^{13}\text{C}$. Seminar Stable Isotope Ecology of Terrestrial Ecosystems, ETH Zurich (Switzerland)
- Wolf S (06.07.2007) Auswirkungen einer veränderten Landnutzungsstruktur auf die Bodenerosion. AGIT-Symposium, Salzburg (Austria)
- Wolf S (22.01.2007) Plant productivity and carbon sequestration potentials in Panama. Seminar Current Topics in Grassland Sciences, ETH Zurich (Switzerland)
- Wolf S (23.08.2006) Effects of land use change on soil erosion. Biogeochemical Model-Data Integration Group, Max Planck Institute for Biogeochemistry. Jena (Germany)
- Wolf S (14.12.2005) Bodenerosion als Funktion veränderter Landnutzungsstruktur – Modellierung der Entwicklung am Beispiel der Nationalparkregion Sächsische Schweiz. Geographisches Kolloquium, Dresden University of Technology (Germany)
- Wolf S (13.12.2004) Landschaftszerschneidung – Grenzüberschreitende Untersuchung für das Gebiet der Sächsisch-Böhmischen Schweiz. Workshop Langzeituntersuchung

von Flächennutzungsentwicklungen, Leibniz Institute of Ecological and Regional Development. Dresden (Germany)

Posters

- Wolf S *et al.* (2017) Subcanopy Flux Measurements in Forest Ecosystems. FLUXNET Workshop, 07.-09.06.2017, Berkeley (USA)
- Wolf S *et al.* (2017) Carbon-Water Interactions during Warm Spring and Summer Drought. FLUXNET Workshop, 07.-09.06.2017, Berkeley (USA)
- Wolf S *et al.* (2017) Subcanopy Flux Measurements in Forest Ecosystems. EGU General Assembly, 24.-28.04.2017, Vienna (Austria)
- Wolf S *et al.* (2017) Carbon-Water Interactions during Warm Spring and Summer Drought. EGU General Assembly, 24.-28.04.2017, Vienna (Austria)
- Tramontana G *et al.* (2017) Predicting carbon dioxide and energy fluxes with empirical approaches in FLUXNET. EGU General Assembly, 24.-28.04.2017, Vienna (Austria)
- Zhang Y *et al.* (2016) Global convergence of maximum light use efficiency using fraction of PAR absorbed by chlorophyll. AGU Fall Meeting, 12.-16.12.2016, San Francisco (USA)
- Wolf S *et al.* (2015) Global Patterns of Biosphere-Atmosphere Energy Fluxes in Terrestrial Ecosystems, 16th Swiss Global Change Day, 01.04.2015, Bern (Switzerland)
- Wolf S *et al.* (2014) Global Patterns of Biosphere-Atmosphere Energy Fluxes in Terrestrial Ecosystems, 7th International Scientific Conference on the Global Water and Energy Cycle, 14.-17.07.2014, The Hague (The Netherlands) – **GEWEX Presentation Award**
- Wolf S *et al.* (2013) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. Greenhouse Gas Management in European Land Use Systems, 16.-19.09.2013, Antwerp (Belgium)
- Wolf S *et al.* (2013) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. Climate Extremes and Biogeochemical Cycles 2013, 02.-05.04.2013, Seefeld (Austria)
- Wolf S *et al.* (2013) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. 12th Berkeley Atmospheric Sciences Symposium, 08.02.2013, Berkeley (USA)
- Wolf S *et al.* (2013) Response of ecosystem carbon and water dynamics to spring drought in Switzerland. 4th NACP All-Investigators Meeting, 04.-07.02.2013, Albuquerque (USA)
- Sprenger M, Wolf S, Buchmann, Eugster W, Weihermüller L, Wilcke W, Oelmann Y (2012) Tree species effects on seepage fluxes in soil in a tropical afforestation. 4th EUROSIL Conference, 02.-06.06.2012, Bari (Italy)
- Sprenger M, Wolf S, Buchmann, Eugster W, Weihermüller L, Wilcke W, Oelmann Y (2012) Der Effekt von Baumarten auf die Versickerungsraten auf einer tropischen Aufforstung. Tag der Hydrologie, 22.-23.03.2012, Freiburg (Germany)
- Wolf S *et al.* (2011) Carbon dioxide and water vapour fluxes of tropical pasture and afforestation. 3rd iLEAPS Science Conference, 18.-23.09.2011, Garmisch-Partenkirchen (Germany)
- Wolf S *et al.* (2011) Swiss FluxNet. 3rd iLEAPS Science Conference, 18.-23.09.2011, Garmisch-Partenkirchen (Germany)
- Wolf S *et al.* (2009) Land-use change and its effects on carbon cycling in the tropics. 8th NCCR Climate Summer School, 30.08.-04.09.2009, Grindelwald (Switzerland)
- Wolf S *et al.* (2009) Contrasting ecosystem-scale fluxes from pasture and native tree plantation in Panama. European Geosciences Union (EGU) General Assembly, 19.-24.04.2009, Vienna (Austria)
- Wolf S *et al.* (2009) Net ecosystem exchange of two tropical ecosystems in Panama. European Geosciences Union (EGU) General Assembly, 19.-24.04.2009, Vienna (Austria)
- Wolf S *et al.* (2008) Net ecosystem exchange of tropical ecosystems in Panama. 6th CarboEurope-IP Project Meeting, 29.09.-03.10.2008, Jena (Germany)
- Wolf S *et al.* (2008) Effects of land use on carbon sequestration potentials in Panama. 7th NCCR Climate Summer School, 31.08.-05.09.2008, Monte Verità, Ascona (Switzerland)

- Wolf S *et al.* (2008) Land use effects on carbon sequestration potentials in tropical Panama. European Geosciences Union (EGU) General Assembly, 13.-18.04.2008, Vienna (Austria)
- Wolf S *et al.* (2008) Land use effects on carbon sequestration potentials in tropical Panama. 9th Swiss Global Change Day, 01.04.2008, Bern (Switzerland)
- Schneebeli M, Wolf S, Eugster W, Mätzler C (2008) X-Band Opacity Measurements of Tropical Tree Canopies in Panama and its Link to Intercepted Rain, Eddy Fluxes and Other Meteorological Variables. 9th Swiss Global Change Day, 01.04.2008, Bern (Switzerland)
- Schneebeli M, Wolf S, Eugster W, Mätzler C (2008) X-Band Opacity Measurements of Tropical Tree Canopies in Panama and its Link to Intercepted Rain, Eddy Fluxes and Other Meteorological Variables. Microwave Radiometry and Remote Sensing of the Environment, 11.-14.03.2008, Florence (Italy)
- Wolf S *et al.* (2007) Land use and carbon sequestration potentials in Panama. Latsis Symposium - Research Frontiers in Environment and Sustainability, 17.-19.09.2007, ETH Zurich (Switzerland)
- Wolf S (2007) Land use and carbon sequestration potentials in Panama. 6th NCCR Climate Summer School, 26.-31.08.2007, Grindelwald (Switzerland)
- Wolf S *et al.* (2006) Effects of landscape change on soil erosion in the National Park Region of Saxon Switzerland. Nature Protection GIS - International Symposium on Geoinformatics in European Nature Protection Regions. 13.-14.11.2006, Dresden (Germany)
- Wolf S (2006) Landschaftszerschneidung der Sächsisch-Böhmischen Schweiz - grenzüberschreitende Untersuchung der Entwicklung seit 1900. Nature Protection GIS - International Symposium on Geoinformatics in European Nature Protection Regions. 13.-14.11.2006, Dresden (Germany)
- Wolf S (2006) Berücksichtigung von Fließbarrieren bei der Erosionsmodellierung. 32. Jahrestagung des Arbeitskreises Geomorphologie der Deutschen Geographischen Gesellschaft. 04.-07.10.2006, Dresden (Germany)