

MOUNTLAND

Detailed information on scientific achievements and stakeholder dialogue

Scientific publications by project partners

Peer-reviewed journal publications ISI (43)

Task 1

2011 (7/2)¹

Bugmann, H. & Bigler, C. (2011). Will the CO₂ fertilization effect in forests be offset by reduced tree longevity? *Oecologia* 165: 533-544.

Dawes, M., S. Hättenschwiler, P. Bebi, F. Hagedorn, I. T. Handa, C. Körner, and C.Rixen (2011) Species-specific tree growth responses to 9 years of CO₂ enrichment at the alpine treeline. Journal of Ecology 2011, 99, 383–394. DOI: 10.1111/j.1365-2745.2010.01764.x

Eilmann B, Zweifel R, Buchmann N, Graf Pannatier E, Rigling A (2011) Drought alters timing, quantity, and quality of wood formation in Scots pine. Experimental Botany, doi:10.1093/jxb/erq443

Kulakowski, D., Bebi, P. & Rixen, C. (2011) Landuse change, climate change and suppression of natural disturbance in mountain forest. *Oikos*, 120, 216-225.

Seidl R, Fernandes PM, Fonseca T, Gillet F, Jönsson AM, Merganicova K, Netherer S, Arpacı A, Bontemps JD, Bugmann H, Gonzalez-Olabarria JR, Lasch P, Meredieu C, Moreira F, Schelhaas MJ, Mohren F 2011. Modelling natural disturbances in forest ecosystems: A review. *Ecological Modelling* 222 (4), 903-924.

Thébault, A., Gillet, F., Müller-Schärer, H. and Buttler, A. 2011. Polyploidy and invasion success : trait trade-offs in native and introduced cytotypes of two Asteraceae species. *Plant Ecology* 212, 2: 315-325. (DOI 10.1007/s11258-010-9824-8).

Vuilleumier, S., Buttler, A., Perrin, N., Yearsley, J.-M. 2011. Invasion and eradication of a competitively superior species in heterogeneous landscapes. *Ecological Modelling* 222 : 398-406.

2010 (13/4)

Allen CD, Macalady A, Chenchouni H, Bachelet D, McDowell N, Vennetier M, Gonzales P, Hogg T, Rigling A, Breshears DD, Fensham R, Zhang Z, Kitzberger T, Lim J-H, Castro J, Allard G, Running SW, Semerci A, Cobb N (2010). Drought-Induced Forest Mortality: A Global Overview Reveals Emerging Climate Change Risks. *Forest Ecology and Management* doi: 10.1016/j.foreco.2009.09.001

Dobbertin M., Eilmann B., Bleuler P., Giuggiola A., Graf Pannatier E., Landolt W., Schleppi P., Rigling A. (2010): Effect of irrigation on needle, shoot and stem growth in natural drought exposed Pinus sylvestris forests, Tree Physiology, doi:10.1093/treephys/tpp123

Eilmann B, Buchmann N, Siegwolf R, Saurer M, Cherubini P, Rigling A (2010) Fast response to improved water availability of tree-ring width and d13C in Scots pine. Plant, Cell & Environment, 33:1351-1360

¹ Year of publication (total number of publications / number of publications with acknowledgment of MOUNTLAND/CCES)

Gavazov, K. 2010. Dynamics of alpine plant litter decomposition in a changing climate. Plant and Soil 337, 1-2 : 19-32.

Gillet, F., Kohler, F., Vandenberghe, C., Buttler, A. 2010. Effect of dung deposition on small-scale patch structure and seasonal vegetation dynamics in mountain pastures. *Agric. Ecosyst. Environ.*, 135 :34-41. (doi:10.1016/j.agee.2009.08.006.)

Gimmi U, Wohlgemuth T, Rigling A, Hoffmann CW, Bürgi M (2010) Land-use and climate change effects in forest compositional trajectories in a dry Central-Alpine valley. *Annals of Forest Sciences*, DOI: 10.1051/forest/2010025

Hagedorn, F., Mulder, J., Jandl, R. (2010): Mountain soils under a changing climate and land-use. *Biogeochemistry* 97: 1-5.

Martin, M., Gavazov, K., Körner, C., Hättenschwiler, S., Rixen, C. (2010): Reduced early growing season freezing resistance in alpine treeline plants under elevated atmospheric CO₂. *Global Change Biology*, 16 (3), pp. 1057-1070(14).

Muys B, Hynynen J, Palahi M, Lexer MJ, Fabrika M, Pretzsch H, Gillet F, Briceño E, G.J. Nabuurs GJ, Kint V. 2010. Simulation tools for decision support to adaptive forest management in Europe. *Forest Systems*, 19, 86-99.

Reineking, B., Weibel, P., Conedera, M. & Bugmann, H., 2010. Environmental determinants of lightning- vs. human-induced forest fire ignitions differ in a temperate mountain region of Switzerland. *Intl. J. Wildland Fire* 19: 541-557.

Rigling A, Eilmann B, Köchli R, Dobbertin M (2010) Mistletoe-induced crown degradation in Scots pine in a xeric environment, Tree Physiology, DOI: 10.1093/treephys/tqp038.

Sorg, A., Bugmann, H., Bollscheiler, M. & Stoffel, M., 2010. Debris-flow activity along a torrent in the Swiss Alps: Minimum frequency of events and implications for forest dynamics. *Dendrochronologia* 28: 215-223.

Thébault, A., Frey, B., Mitchell, E.A.D., Buttler, A. 2010. Species-specific effects of polyploidisation and plant traits of *Centaurea maculosa* and *Senecio inaequidens* on rhizosphere microorganisms. *Oecologia* 163 : 1011-1020.

2009 (13/1)

Bebi, P. Kulakowski, D. and C. Rixen. (2009): Snow avalanche disturbances in forest ecosystems – state of research and implications for management. *Forest Ecology and Management* 257: 1883-1892.

Brunner I, Graf-Pannatier E, Frey B, Rigling A, Landolt W, Dobbertin M (2009): Morphological and physiological responses of Scots pine fine roots to water supply in a climatic dry area in Switzerland. *Tree Physiology* 29:541-550.

Eilmann B, Zweifel R, Buchmann N, Fonti P, Rigling A (2009). Drought-induced adaptation of the xylem in Scots pine and pubescent oak. Tree Physiology, 29:1011-1020.

Fonti P., von Arx G., Garcia-Gonzale I., Eilmann B., Sass-Klaassen U., Gaertner H., Eckstein D. (2009): Studying global change through investigation of the plastic responses of xylem anatomy in tree rings. *New Phytologist*, doi: 10.1111/j.1469-8137.2009.03030.x.

Hagedorn F., Martin, M., Rixen, Ch, Rusch S., Bebi P., Zürcher A., Siegwolf R., Wipf S., Escape Ch., Roy J., Hättenschwiler S. (2009) Short-term responses of ecosystem carbon fluxes to experimental soil warming at the Swiss alpine treeline. *Biogeochemistry* 97 (1), 7-19.

Martin M. et al. (2009): Reduced early growing season freezing resistance in alpine treeline plants under elevated atmospheric CO₂. *Global Change Biology* 16, 1057–1070.

- Müller M., Alewell Ch., Hagedorn F. (2009): Effective retention of litter-derived dissolved organic carbon in organic layers. *Soil Biology and Biochemistry*. doi:10.1016/j.soilbio.2009.02.007
- Müller, M., Allewell, Ch, Hagedorn, F. (2009): Effective retention of litter-derived dissolved organic carbon in organic layers. *Soil Biology and Biogeochemistry* 41: 1066-1074
- Spiegelberger T., Matthies D., Müller-Schärer H., Schaffner U. 2009. Sawdust addition reduces the productivity of nitrogen-enriched mountain grasslands. *Restoration Ecology*, 17, 6: 865-872.
- Teich, M. and Bebi, P. (2009): Avalanche protection forest in GIS-based risk analyses – a case study in 'The Bannwald of Andermatt', Switzerland. *Forest Ecology and Management* 257: 1910-1919.
- Vandenberge C., Smit C., Pohl M., Buttler A. & Freléchoux F. 2009. Does the strength of facilitation by nurse shrubs depend on grazing resistance of tree saplings? *Basic and Applied Ecology*, 10: 427-436.
- Zumbrunnen, T.; Bugmann, H.; Conedera, M.; Bürgi, M. (2009): Linking Forest Fire Regimes and Climate-A Historical Analysis in a Dry Inner Alpine Valley. *Ecosystems* 12:73-86.
- Zweifel R, Rigling A, Dobbertin M (2009): Species-specific stomatal response of trees to microclimate – a functional link between climate change and vegetation dynamics. *Journal of Vegetation Science* 20:442-454.

2008-2006 (7)

- Gillet F. 2008. Modelling vegetation dynamics in heterogeneous pasture-woodland landscapes. *Ecological Modelling*, 217, 1-2: 1-18.
- Hagedorn, F., van Hees, P.A.W., Handa, I.T., Hättenschwiler, S., (2008): Elevated atmospheric CO₂ fuels leaching of old dissolved organic matter at the alpine tree line. *Global Biogeochemical Cycles*, 22, GB2004, doi:10.1029/2007GB003026, 2008
- Handa, I.T.; Hagedorn, F.; Hättenschwiler, S. (2008): No stimulation in root production in response to four years of in situ CO₂ enrichment at the Swiss treeline. *Functional Ecology* 22, 348-358.
- Mazier F., Brostöm A., Gaillard M.-J., Sugita S., Vittoz P., Buttler A. 2008. Pollen productivity estimates and Relevant Source Area for major taxa in a pasture woodland (Jura mountains, Switzerland). *Vegetation History and Archaeobotany* 17 : 479-495 (DOI 10.1007/s00334-008-0143-0).
- Schumacher, S.; Bugmann, H. (2006): The relative importance of climatic effects, wildfires and management for future forest landscape dynamics in the Swiss Alps. *Global Change Biology* 12:1435-1450.
- Schumacher, S.; Reineking, B.; Sibold, J.; Bugmann, H. (2006): Modeling the impact of climate and vegetation on fire regimes in mountain landscapes. *Landsc. Ecol.* 21:539–554.
- Vandenberge C., Freléchoux F. & Buttler A. 2008. The influence of competition from herbaceous vegetation and shade on simulated browsing tolerance of coniferous and deciduous saplings. *Oikos*, 117: 415-423.

Task 3 (3/1)

- Balsiger, J. (2009): Ecoregional Mobilization and Mountain Policies in Switzerland and California. *Journal of Alpine Research*, 97(2), 39-59.

Hirschi, C. (2010): Strengthening Regional Cohesion: Collaborative Networks and Sustainable Development in Swiss Rural Areas. *Ecology and Society* 15(4), 16.

Ingold, K. & Zimmermann, W. (2011): How and why forest managers adapt to socio-economic changes: A case study analysis in Swiss forest enterprises. *Forest Policy and Economics* 13(2), 97-103.

Peer-reviewed journal publications (non-ISI journals) (29)

2011 (1/0)

Borcard D., Gillet F. & Legendre P. 2011. Numerical Ecology with R. Springer, Use R! series, New York, ISBN: 978-1-4419-7975-9, 302 p.

2010 (9/3)

Bugmann, H., Palahi, M., Bontemps, J.-D. & Tomé, M., 2010. Trends in modeling to address forest management and environmental challenges in Europe. *Forest Systems* 19S: 3-7.

Buttler A., Kohler F. & Gillet F. 2009. The Swiss mountain wooded pastures: patterns and processes. In: Rigueiro-Rodriguez A., McAdam J. & Mosquera-Losada M.R. (eds), Agroforestry in Europe: Current Status and Future Prospects. Springer, Advances in Agroforestry series 6, p. 377-396.

Fontes, L., Bontemps, J.-D., Bugmann, H., van Oijen, M., Gracia, C., Kramer, K., Lindner, M., Rötzer, T. & Skovsgaard, J.P., 2010. Models for supporting forest management in a changing environment. *Forest Systems* 19S: 8-29.

Huber R. & Häberli C. (2010): A ‘beyond WTO’ scenario for Swiss agriculture: Consequences for income generation and the provision of public goods. *Yearbook of Socioeconomics in Agriculture*, Swiss Society for Agricultural Economics and Rural Sociologie (2010).

Ingold, K., Balsiger, J. & Hirschi, C. (2010): Climate change in mountain regions: how local communities adapt to extreme events. *Local Environment* 15(7), 651-661.

Weibel, P., Elkin, C., Reineking, B., Conedera, M. & Bugmann, H., 2010. Waldbrandmodellierung – Möglichkeiten und Grenzen. *Schweiz. Z. Forstwes.* 161: 433-441.

Zimmermann, Willi (2010): Rechtliche Aspekte bei der Vermarktung von Nichtholz-Waldleistungen. *Schweizerische Zeitschrift für Forstwesen* 161(9), 362-367.

Zimmermann, W. (2010): Waldpolitischer Jahresrückblick 2009. Schweizerische Zeitschrift für Forstwesen 161(5), 161-170.

Zumbrunnen, T., Bürgi, M. & Bugmann, H., 2010. Le régime des incendies de forêt en Valais: influences climatiques et anthropiques. *Schweiz. Z. Forstwes.* 161: 442-449.

2009 (12/0)

Bebi, P., Hagedorn, F. Martin, M., Rixen, C., Senn, J. and U. Wasem. 2009. Langfristige Waldgrenzenforschung am Stillberg - vor lauter Bäumen den Wald noch sehen. pp 87-92 in: Eidgenössische Forschungsanstalt WSL (Hrsg.): Langzeitforschung für eine nachhaltige Waldnutzung. Forum für Wissen 2009: 129 S.

Freléchoux, F., Viret, M., Linder-Berrebi, Y., Miéville-Ott, V. 2009. Vegetationsdynamik und Erwartung der Bevölkerung an die Landschaft. *Agrarforschung* 16: 402-407.

Freléchoux, F., Viret, M., Linder-Berrebi, Y., Miéville-Ott, V. 2009. PASTO: dynamique de la végétation et attente paysagères de la population. *Revue suisse Agric.* 41: 263-269.

Ingold, K., & Zimmermann, W. (2009): L'adaptation des entreprises forestières. *Courrier de la planète*, 88.

Keel, A., & Zimmermann, W. (2009): Bundesgerichtliche Rechtsprechung zur Waldgesetzgebung 2000-2008. Umweltrecht in der Praxis - Droit de l'environnement dans la pratique, 2009(3), 237-283.

- Keel, A., & Zimmermann, W. (2009): Der Wald im Lichte der neueren bundesgerichtlichen Rechtsprechung. Schweizerische Zeitschrift für Forstwesen, 160, 263-274.
- Keel, A., Zimmermann, W., & van der Meulen, S. (2009): Jurisprudence du Tribunal fédéral relative à la législation sur les forêts 2000-2008. Droit de l'environnement dans la pratique DEP, 2009(3), 292-358.
- Meisser, M., Tarery M., Chassot, A., Freléchoux, F. 2009. Gestion de la pâture et comportement des bovins en milieu subalpin fortement embroussaillé. Revue suisse Agric. 41: 257-262.
- Meisser, M., Tarery M., Chassot, A., Freléchoux, F. 2009. Weidemanagement und Verhalten der Rinder in stark verbuschtem Gelände. Agrarforschung 16: 408-413.
- Miéville-Ott, V. Meisser, M., Chassot, A. Freléchoux, F. 2009. Das Projekt PASTO - innovative Haltungssysteme für Bergregionen. Agrarforschung 16: 100-105.
- Miéville-Ott, V. Meisser, M., Chassot, A. Freléchoux, F. 2009. PASTO: un système de pratiques agricoles innovant pour les régions de montagne. Revue suisse Agric. 41: 263-268.
- Zimmermann, W., & Widmer, A. (2009): Waldpolitischer Jahresrückblick 2008. Schweizerische Zeitschrift für Forstwesen, 160, 105-113.

2008-2006 (7/0)

- Barbezat, V.; Boquet, J.-F. (réds) 2008: Gestion intégrée des paysages sylvo-pastoraux de l'Arc jurassien - Manuel. Conférence TransJurassienne, La Chaux-de-Fonds, Besançon. 160 p. + CD-Rom.
- Brang, P.; Bugmann, H.; Bürgi, A.; Mühlthaler, U.; Rigling, A.; Schwitter, R. (2008): Klimawandel als waldbauliche Herausforderung. Schweiz. Z. Forstwes. 159:362-373.
- Gillet F. 2008. Ecological Models: Plant Competition. In: Jørgensen S. E. & Fath B. D. (eds.), Encyclopedia of Ecology, 1st Edition, 5 vols. Elsevier, Oxford. Vol. 4, p. 2783-2793.
- Hagedorn F. (2008): Humus, ein grosser Speicher, aber eine kleine Senke für atmosphärisches CO₂. Rundgespräche der Kommission für Ökologie, Bd. 35 ,Humus in Böden' Verlag Dr. Friedrich Pfeil München, pp. 49-54.
- Körner, C.; Buchmann, N.; Bugmann, H.; Duelli, P.; Hiltbrunner, E.; Müller-Ferch, G.; Müller, J.P.; Wildi, O.; Zweifel, R. (2007): Landökosysteme. In: Hohmann, R. et al. (eds.), Klimaänderung und die Schweiz 2050. OcCC & ProClim, Bern, 25-40.
- Rigling, A.; Brang, P.; Bugmann, H.; Kräuchi, N.; Wohlgemuth, Th.; Zimmermann, N. (2008): Klimawandel als Prüfstein für die Waldbewirtschaftung. Schweiz. Z. Forstwes. 159: 316-325.
- Zimmermann, N.; Bugmann, H. (2008): Die Kastanie im Engadin – oder was halten Baumarten von modellierten Potenzialgebieten? Schweiz Z. Forstwes. 159:326-335. doi: 10.3188/szf.2008.0326

PhD theses (4)

- Martin, M. (2010). Responses of alpine treeline vegetation to simulated environmental change. Dissertation University of Basel and SLF Davos.
- Zumbrunnen, T. (2010): Reconstructing and analyzing the fire history in a dry continental valley (Valais) of the Swiss Alps. Ph.D. Thesis No. 19144, ETH Zürich.
- Eilmann, B. (2009): Water availability and tree growth of scots pine and pubescent oak – a multiproxy analysis. Ph.D. Thesis No. 18106, ETH Zürich.
- Weibel, P. (2009): Modelling and assessing fire regimes in mountain forests of Switzerland. Ph.D. Thesis No. 18699, ETH Zürich.

Master and diploma theses (18)

2011 (3)

Brücker, R. (2011). Tree mortality caused by snow fungi near tree line: spatio-temporal analysis on Stillberg slope, Davos. Masterthesis, SLF Davos and University of Zurich, Soil Science and Biogeography, Department of Geography.

Dellagiovanna, M. (2011). Development of growth and protection effect in the high altitude afforestation Stillberg. Masterthesis SLF Davos and Environmental Sciences ETH.

Hug, D., (2011): Simulating future tree species composition in abandoned chestnut orchards in southern Switzerland.

2010 (8)

Claire Meugnier (2010) Arbuscular mycorrhizal fungi and subordinate plant species: preferential symbiotic interactions?

Herwig, R. (2010): Organisation und Abwicklung der Zuteilung und Abgeltung von Waldsenkenleistungen in der Schweiz. Geographisches Institut, Universität Bern. (Betreuer: Willi Zimmermann)

Keiser, A. (2010): Verjüngungs- und Bestandesdynamik im Pfynwald – Analyse eines 40-jährigen Durchforstungsexperimentes. Masterarbeit. WSL, Birmensdorf.

Lenz, A. (2010). Low temperature limits cambial activity and determines secondary growth at the alpine treeline. Masterthesis University of Basel, 16 pp.

Lutz, G. (2010): Wachstumsreaktion von einheimischen und nicht-einheimischen Nadelbaumarten auf Trockenheit. Masterarbeit. WSL, Birmensdorf.

Meillard, J. (2010): Gouvernance des Parcs naturels régionaux Suisse et reterritorialisation de l'espace local: Exemple du Val d'Hérens. Institut des hautes études internationales et du développement Genève. (Examinateur: Jörg Balsiger)

Pampuri, L. (2010): A model of the Spatial Potential and Demand of Energy Wood in Switzerland. Department of Environmental Sciences, ETH Zürich. (Gutachter: Willi Zimmermann)

Snajdr, J. (2010). Valuing and comparing the protective effect of two avalanche protection forests in Switzerland using risk analyses. Diplomarbeit SLF Davos und FH Eberswalde.

2009 (4)

Gavazov, K. (2009). Reduced summer frost resistance of treeline vegetation in a changing climate. Masterthesis SLF Davos.

Michaël Van Briel, KHK (Belgium) (2009). Biomass production in response to removal of subordinate species in pasture.

Ruben Vangeel, KHK (Belgium) (2009). Soil respiration in response to dominant and subordinate species assemblage.

Tiri, R. (2009). Interaktionen zwischen verschiedenen Baumeigenschaften und Lawinen. Masterarbeit. ETH Zürich, Zürich, und SLF, Davos, 80 S.

2008 (3)

Antoine Margot (2008) Effets d'un réchauffement climatique sur le sol et la végétation des pâturages boisés.

Aurélia Etique (2008) Modélisation spatialement explicite de la régénération et de la croissance des arbres dans les pâturages boisés.

Collut, C. (2008). Einfluss von Witterungs- und Schneeverhältnissen auf die Entstehung von Waldlawinen im Schweizer Alpenraum. Masterarbeit SLF Davos und ETH Zürich 68 S.

Contributions to scientific conferences, congresses, workshops (93)

Task 1 (43)

2011 (1/0)

Bugmann, H. (2011): Forests in a greenhouse atmosphere: predicting the unpredictable? Annual Symposium of the British Ecological Society, Cambridge, UK, March 2011.

2010 (14/4)

Bugmann, H. & Zierl, B. (2010): Global Change, Goods and Services from Mountain Ecosystems, and Stakeholders. Swiss Geoscience Meeting, Workshop “Decision-Oriented Modelling of the Geosphere”, Fribourg, November 2010.

Bugmann, H. (2010): Forests in a greenhouse atmosphere: predicting the unpredictable? Swiss Global Change Day, Bern, April 2010.

Bugmann, H. (2010): The role of ecological modeling in Global Change Science. Seminar sponsored by the Polish Government, Lublin University, Poland, 14 June 2010.

Buttler A. 2010. Invasibilité des communautés, pour le meilleur et pour le pire. Oral presentation at ECOVEG6. Rouen.

Dobbertin M, Bebi P, Buttler A, Wohlgemuth T, Wermelinger B, Rigling A (2010) Altitudinal gradients to study the impact of climate change on natural forests. The International Forestry Review. 12 (5): 65

Elkin, C.M., Bugmann, H. (2010): Assessing the impact of climate change on the spatial distribution of multiple ecosystem goods and services in mountain forests. Global Change and the World's Mountains. Perth, Scotland, September 2010.

Hagedorn, F. (2010). Cold ecosystems in a warmer climate: carbon fluxes at the alpine treeline underexperimental soil warming. Global Change & the World's Mountains, Mountain Research Initiative Conference, Perth, UK.

Lischke, H. (2010): Fine scale structure in large scale vegetation models: Importance and ways to deal with it. Swiss DGVM meeting, Bern, 8.9.2010

Lischke, H. (2010): Importance of fine scale vegetation structure and processes for large scale vegetation modeling. Gingko-Meeting, Frankfurt, Germany, 30.9.2010

Natalie Zurbriggen. (2010). Modelling feedbacks between avalanches and forests under a changing environment in the Swiss AlpsIUFRO Landscape Ecology Working Group International Conference, 21-27 September, 2010. Bragança, Portugal

Rigling A, Bigler C, Eilmann B, Engesser R, Gimmi U, Gonthier P, Motta R, Nicolotti G, Wermelinger B, Heiniger U, Polomski J, Vacchiano G, Weber P, Wohlgemuth T, Zweifel R, Dobbertin M (2010) Direct and indirect effects of drought in large-scale pine dieback in the European Alps. The International Forestry Review. 12 (5): 44

Rixen, C. (2010). Reduced early growing season freezing resistance in alpine treeline plants under experimental warming and elevated atmospheric CO₂. Global Change & the World's Mountains, Mountain Research Initiative Conference, Perth, UK.

Spiegelberger T., Gavazov K., Gillet F., Buttler A., 2010. Subalpine ecosystems of the Swiss Jura Mountains in a changing climate. Oral presentation at GMBA-Diversitas conference „Functional significance of mountain biodiversity“, Chandolin, Suisse ,26-30th July 2010.

Zurbriggen, N. (2010). Effects of climatic and land use change on avalanche-forest feedbacks in a temperature sensitive valley of the Swiss Alps . Global Change & the World's Mountains, Mountain Research Initiative Conference, Perth, UK.

2009 (17/5)

Bebi, P. (2009): Avalanche Releases in forested Areas of the Swiss Alps. MOCA-09. Our warming planet. 19-29. Juli 2009, Montreal, Canada.

Bebi, P. (2009): Langfristige Waldgrenzenforschung am Stillberg - vor lauter Bäumen den Wald noch sehen. Forum für Wissen 2009. 7. Sept. 2009 Zürich.

Dobbertin, M. (2009): Kronenverlichtung, Sterberaten und Waldwachstum in Langzeitstudien – Welche Indikatoren beschreiben den Waldzustand am besten? Forum für Wissen, Zürich, Switzerland.

Eilmann, B. (2009): Tree growth limited by drought - a multiproxy analysis, Eurodendro 2009, European Workshop in Dendrochronology, Mallorca, Spain.

Elkin, C.M.; Bugmann, H. (2009): Climate change induced shifts in forest disturbances and the relative importance to the dynamics of mountain forest in Switzerland. WSL Long-term Forest Ecosystem Research, Zurich, Switzerland.

Elkin, C.M.; Reineking, B.; Bugmann, H. (2009): Climate driven shifts in mountain forest heterogeneity: the impact of large scale shifts on smaller scale forest structure. Climate Change: Global Risks, Challenges & Decisions.

Elkin, C.M.; Temperli, C.; Reineking, B.; Bugmann, H. (2009): Sensitivity of forest landscape models to individual growth rate functions: do small scale processes matter for large scale questions? International Society for Ecological Modelling. Quebec City, Canada.

Gillet F, 2009. Multi-level simulation of pasture-woodland dynamics in Switzerland and the Simile visual modelling environment. COST Action FP0603 – 2nd Workshop, Barcelona, 15-16 January 2009.

Hagedorn, F. (2009): Bodenerwärmung verwandelt alpine Waldgrenzen in CO₂-Quellen: ein Klimamanipulationsversuch. Jahrestagung der Deutschen Bodenkundlichen Gesellschaft. 7.-11.Sept. Bonn, Germany.

Hagedorn, F. (2009): Climate change at the alpine treeline: Impact of elevated CO₂ and soil warming on soil carbon fluxes. 5. May. 2009 University Uppsala, Sweden.

Hagedorn, F. (2009): Cold ecosystems in a warmer climate – carbon fluxes at the alpine treeline under experimental warming. Max-Planck Institute.16.Nov. 2009. Jena, Germany

Hagedorn, F. (2009): Interaction of carbon and nitrogen cycling. Biogeomon. 29.06-3.07.2009. Helsinki, Finland

Hagedorn, F. (2009): Older soil organic matter is the main source of soil respiration in winter at the alpine treeline – a ¹³CO₂ tracer study. 20.-24.04.2009. EGU Meeting. Vienna

Lannas K., Gavazov K., Spiegelberger T., Buttler A., Gillet F. (2009) Integrative analysis of ecosystem dynamics under global change in sylvopastoral ecosystems. Poster presentation at GreenDays, Arolla, Switzerland.

Lischke, H. (2009): Presentation of avalanche-forest modelling study and of the meanwhile started upscaling project MUSCATELLA at the Joint TRY/BBS workshop "Improving the representation of

biodiversity in vegetation modelling' 17-18 October, 2009, Kirstenbosch Botanical Garden, Cape Town, South Africa"

Martin,M. (2009): Reduced early growing season freezing resistance in alpine treeline plants under elevated atmospheric CO₂. 94th ESA Meeting, 2 -7th August, Albuquerque, NM, USA.

Spiegelberger T. 2009. Impact of climate change on ecosystem services in the Alps. Workshop on Securing the Sustainable Provision of Ecosystem Services in the Alps and the Carpathians, Bratislava, Slovaquia.

2008-2006 (11/1)

Bebi, Peter: Landscape of the Alps – just nice to look at or an economic value? Euromontana Conference, Oct. 8-10th 2008.

Bugmann, H. (2007): Natural disturbances, anthropogenic climatic change and the sustainable management of mountain protection forests. IUFRO Mountain Forest Conference, Trento, Italy.

Bugmann, H. (2008): Growth-mortality relationships of pinyon pine in space and time. Workshop of the Laboratory of Tree-Ring Research, Tucson, USA.

Bugmann, H. (2008): The future of tree diversity in Swiss forests: effects of management legacies & climate change. IUFRO Biodiversity Conference, Camloops BC, Canada.

Bugmann, H.; Reineking, B.; Weibel, P. (2008): The interactions of climate, vegetation properties and wildfire dynamics in mountain landscapes. Conference of the International Association of Landscape Ecology, Madison, Wisconsin.

Bugmann, H.; Reineking, B.; Wolf, A. (2007): Global Change Impacts on Mountain Ecosystem Services: Implications for Biodiversity and Policy. ALTER-Net Summer School, Peyresq, France.

Bugmann, H.; Zierl, B. (2006): Global Change impacts on mountain ecosystem goods and services: a simulation study with stakeholder involvement. Wengen Global Change Conference, Switzerland.

Melissa, Martin(2008): Poster presentation Biology 2008, Febr. 6-8th 2008. Swiss Botanical Society

Rigling A. (2008): MOUNTLAND - Sustainable land-use practices in mountain regions: Integrative analysis of ecosystem dynamics under global change, socio-economic impacts and policy implications, Workshop on Gebirgsforschung Schweiz, Brig, Switzerland.

Rigling A. (2008): Response of forests to drought - an irrigation experiment in an inner-Alpine dry pine forest. COST, Strategic Conference on Global Change and Sustainable Development in Mountain Regions, Innsbruck, Austria.

Rigling A. et al. (2008): Sustainable land-use practices in mountain regions: Integrative analysis of ecosystem dynamics under global change, socio-economic impacts and policy implications (MOUNTLAND). COST, Strategic Conference on Global Change and Sustainable Development in Mountain Regions, Innsbruck, Austria.

Task 2 (20)

2010 (13/10)

Braendle, J.M., Le, Q.B., Koellner, T., Scholz, Roland W. (2010). Modelling Land Use Decisions with Bayesian Networks to Support The Development of Robust Land Management Strategies for Mountain Regions Facing Global Change. Oral presentation in Session E7 "Land use change in mountains", Open Science Meeting organized by Global Land Project, 17-19 October 2010, Arizona State University, USA.

Brand, F.S. (2010). The Resilience Approach in Ecosystem Research: Fundamentals, Challenges and Prospects. Invited presentation at the Berlin-Brandenburgische Akademie der Wissenschaften, 17 October 2010, Germany.

Brand, F.S. (2010). The Use of Resilience in Climate Adaptation: Comment on the Presentation of Prof. von Gleich. Invited presentation at the Theory Workshop Northwest Project, organized by project partners, 11 February 2010, Bremen, Germany.

Brändle, J.M., Le, Q.B., Koelner, T., Seidl, R., Lang, D., Brand, F.S., Scholz, R.W. (2010). Exploring Ecosystem Service Governance Structures in Mountain Regions to Support the Development of Robust Land-Use Adaptation Strategies to Global Change. Oral presentation in International Conference "Advancing Sustainability in a Time of Crisis", organized by International Society for Ecological Economics (ISEE), 22 - 25 August 2010, Oldenburg - Bremen, Germany.

Briner, S. (2010): Abschätzung der Auswirkung des Klimawandels auf die Landnutzung in der Landschaft Davos mit Hilfe eines mathematischen Programmierungsmodells. Agroeconet, ETH Zürich. 14. Januar 2010.

Briner, S. (2010): What impact have policy and climate change on the agricultural and silvicultural land use in mountainous regions. Poster presentation at the MOUNTLAND-Meeting at Zürich, 23.4.2010.

Briner, S. (2010): Modeling the production of food and timber under different scenarios. Presentation at the MOUNTLAND-Meeting at Birmensdorf, 22.4.2010

Briner, S., Elkin, C., Zurbriggen, N. (2010): Climate and policy mediated shifts in land-use and ecosystem services. Poster presented at the Latsis Symposium at ETH Zürich, 15-17 November 2010.

Briner, S., Zurbriggen, N., Huber, R. (2010): Change of land-use under different climate and policy scenarios: A case study in the municipality of Davos. Poster presented at the Global Change and the World's Mountains Conference at Perth, 26-30 September 2010

Briner, S., Zurbriggen, N., Huber, R. (2010): Linking forest-landscape and agricultural land-use models to assess climatic and land-use change impacts on ecosystem services in mountainous regions: A case study in Davos, Switzerland. Presentation at the Open Science Meeting of the Global Land Project at Tempe AZ, 17-19 October 2010.

Huber R. & Rigling A. (2010): MOUNTLAND. Sustainable land-use practices in mountain regions under global change. Latsis Symposium 2010, ETH Zürich.

Scholz, R.W. (2010). Goals, Functions and Products of Transdisciplinarity in Global Crisis Management. Keynote presentation in International Conference "Advancing Sustainability in a Time of Crisis", organized by International Society for Ecological Economics (ISEE), 22 - 25 August 2010, Oldenburg - Bremen, Germany. Keynote presentation in International Conference "Advancing Sustainability in a Time of Crisis", organized by International Society for Ecological Economics (ISEE), 22 - 25 August 2010, Oldenburg - Bremen, Germany.

Walz, A., F. Brand, J. Braendle, S. Briner, C. Elkin, C. Hirschi, H. Lischke, D. Schmatz and D. Lang, 2010. Do all mountain regions react to the same drivers of change? How to customise IPCC scenarios to regional analysis? Global Change and the World's Mountains Conference, 26-30 Sept 2010, Perth, Scotland.

2009 (4/2)

Bokusheva, R. (2009): The effect of agricultural policy reforms on the productivity of Swiss farms. Agroeconet, ETH Zurich, December 11.

Briner, S. (2009): Modelling Ecosystem Goods and Services: Agricultural Production.
Presentation at the MOUNTLAND-Meeting at Visp, 5.5.2009.

Briner, S. (2009): Socio-economic land-use model - It is working. Presentation at the MOUNTLAND-Meeting at Marchairuz, 17.9.2009.

Scholz, W. R. (2009). Ecosystem Services Research from a Human-Environment System Framework perspective. Oral presentation in GfÖ2009 "Dimensions of Ecology: From Global Change to Molecular Ecology", 14–18 September 2009, University of Bayreuth, Germany.

2008-2006 (3/2)

Koellner, T. (2008). Supply and Demand for Ecosystem Services of Mountain Regions. COST Strategic Conference Global Change and Sustainable Development in Mountain Regions, 7-8 April 2008, Innsbruck, Austria.

Lehmann, B. et al. (2008): Task 2 Socio-economic Response to Ecosystem Change.
Presentation at the MOUNTLAND Kick-Off-Meeting at Birmensdorf, 20.5.2008.

Peter, S. (2008): S_INTAGRAL in the context of Mountland. Presentation at the MOUNTLAND-Meeting at Davos, 4.11.2008.

Task 3 (20)

2010 (8/7)

Balsiger, J. (2010): "Varieties of sustainability: The local expression of a global norm", Global Change and the World's Mountains, Perth, Scotland 26-30 September 2010.

Hirschi C. & K. Ingold (2010): "Integration for the better? Local networks and natural resources management in Swiss mountain regions" Sunbelt International Network Analysis Conference, Riva del Garda, Italy, 29 June – 4 July 2010.

Hirschi C. & K. Ingold (2010): "Task 3: Overview and first results", MOUNTLAND-Meeting, Birmensdorf, Switzerland, 22-23 April 2010.

Ingold, K. & Hirschi, C. (2010): "Local Networks in Natural Resource Management: Does Integration Foster Policy Acceptance?", 2010 Berlin Conference on the Human Dimensions of Global Environmental Change, Berlin, Germany, 8-9 October 2010.

Ingold, K. (2010): "How Are Climate Adaptation Strategies Put into Practice? A Case Study Comparison of Natural Hazard Prevention", 2010 Berlin Conference on the Human Dimensions of Global Environmental Change, Berlin, Germany, 8-9 October 2010.

Widmer, A. (2010): "Coping with Climate Change: Integrating Adaptation into Sectoral Policies in Switzerland", 2010 Berlin Conference on the Human Dimensions of Global Environmental Change, Berlin, Germany, 8-9 October 2010.

Widmer, A. (2010): "Coping with climate change: Integrating adaptation into forestry and water policies in Switzerland", MOUNTLAND-Meeting, Birmensdorf, Switzerland, 22-23 April 2010.

Zimmermann, W. et al. (2010): "Land-use policy networks in a multi-level context", Latsis Symposium ETH Zurich, Zurich, Switzerland, 15-17 November 2010.

2009 (10/2)

Balsiger, J. (2009): "The Virtues of Redundancy in International Environmental Politics", Amsterdam Conference on the Human Dimensions of Global Environmental Change, Amsterdam, Netherlands, 2-4 December 2009.

- Hirschi, C. (2009): "Has the Climate Actually Changed?", Amsterdam Conference on the Human Dimensions of Global Environmental Change, Amsterdam, Netherlands, 2-4 December 2009.
- Hirschi, C. (2009): "Strengthening Regional Cohesion: Local Collaboration Networks and Sustainable Development in Swiss Rural Areas", Lüneburg Workshop on Environmental and Sustainability Communication, Lüneburg, Germany, 28-29 September 2009.
- Ingold, K. & Zimmermann, W. (2009): „Learning processes in Swiss forestry“, IUFRO Conference, Nancy, France, 22-24 June 2009.
- Ingold, K. (2009): "Bringing Policy Brokers Back in: Evidence from the Swiss Climate Policy", ECPR General Conference, Potsdam, Germany, 10-12 September 2009.
- Ingold, K. (2009): The Influence of the Kyoto Process on National Policy Networks: Combining Social Network Analysis and Multicriteria Analysis. Poster presented at the 50th Annual Convention of the International Studies Association, New York, USA, 15-18 February 2009.
- Widmer, A. (2009): "Coping with Climate Change: Integrating Climate Change Adaptation", Winter School and Conference on the Human Dimensions of Global Environmental Change, Amsterdam, Netherlands, 24 November – 4 December 2009.**
- Widmer, A. (2009): "Social Network Analysis as a Method to Analyze and Measure Environmental Policy Integration", Conference on Applications of Social Network Analysis, Zurich, Switzerland, 27-28 August 2009.**
- Zimmerman, W. (2009): How and why forest managers adapt to socio-economic changes: a case study analysis in Swiss forest enterprises. IUFRO Conference on Change in governance as collective learning process, France, Nancy, June 23, 2009.
- Zimmermann, W. (2009): "Overview of Swiss forest policy on CO2 sequestration, timber economy and recreation", Zurich, Switzerland, 24 April 2009.

2008-2006 (2)

- Hirschi, C. (2008): Building New Regional Networks for Sustainable Development in Swiss Rural Areas. Paper presented at the 5th Conference on Applications of Social Network Analysis, Zurich, 12-13 September 2008.
- Hirschi, C. & Zimmermann, W. (2008): Long-term Policymaking through Integration? The Case of Swiss Water Policy, Paper presented at the 2008 Berlin Conference on the Human Dimensions of Global Environmental Change, Berlin, Germany, 22-23 February 2008.

Scientific events organized by project partners

Conferences, workshops, open for audience beyond CCES partners (10)

- 5th Conference on Applications of Social Network Analysis, Zurich, 12-13 September 2008.
- 6th Conference on Applications of Social Network Analysis, Zurich, 27-28 September 2009.
- 7th Conference on Applications of Social Network Analysis, Zurich, 14-16 September 2010.
- Bugmann, H.: Conference "Global Change and the World's Mountains", Perth, Scotland, September 2010 (co-organizer and session chair).
- Bugmann, H.: Monday Colloquium of ETH Zurich on "Wildfires in Switzerland: Past, Present, Future". December 2009.
- ECOVEG7, an international conference on plant ecology held in Lausanne from 30-03 to 01-04-2011

Koellner T., Andreas Rigling (2008): Workshop on Demand and Evaluation of Ecosystem Services. COST, Strategic Conference on Global Change and Sustainable Development in Mountain Regions, Innsbruck, April 7-9, 2008.

Workshop "Social Network Approaches for Behavior Change" (by Thomas W. Valente, University of Southern California), ETH Zurich, 14 September 2010.

Workshop "The Analysis of Longitudinal Social Network Data using SIENA" (by Tom A.B. Snijders and Johan Koskinen, University of Oxford), ETH Zurich, 14 September 2010.

Workshop "visone – Analysis and Visualization of Social Networks" (by Ulrik Brandes and Jürgen Lerner, University of Konstanz), ETH Zurich, 14 September 2010.

Scientific partnerships

Adrienne Grêt-Regamey, ETH Zürich; Associate Professor in Landscape and Environmental Planning; Planning of landscape and urban systems (PLUS).

Daniel Lang; Leuphana University Lüneburg; Professur für transdisziplinäre Nachhaltigkeitsforschung

Francois Gillet; Professeur des Universités - Université de Franche-Comté - UFR Sciences et Techniques; Laboratoire de Chrono-environnement, UMR 6249 CNRS.

Thomas Koellner; Universität Bayreuth; Professorship of Ecological Services (PES)

Stakeholder dialogue and activities for a non-scientific audience

Publications for stakeholders outside the scientific community (15)

Balsiger, J. (2010). Environmental Governance. In UNEP (Ed.), UNEP Yearbook 2010. Nairobi: United Nations Environment Programme.

Bebi, P., Hagedorn, F. Martin, M., Rixen, C., Senn, J. and U. Wasem. 2009. Forschung am Stillberg vor 25 Jahren und heute. Inf.bl. Forsch.bereich Wald 25: 5-7.

Brang, P. & Bugmann, H., 2010. Der Wald hat ein gutes Gedächtnis. Cratschla 2/2010: 12-15.

Briner, S., Hartmann, M., Lehmann, B. (2011): Is agroforestry an economic opportunity for carbon-neutral animal production? Agrarforschung Schweiz 2(1), pp. 12-19.

Bugmann, H. (2007): Abschätzung der Entwicklung von Gebirgswäldern bis 2057? Bündnerwald 60(5):17-22.

Bugmann, H. (2008): Ist der 5. IPCC-Bericht wirklich nötig? ProClim Flash 42:1-2.

Bugmann, H. (2009): Was bedeutet die Klimaveränderung für den Wald? Info Bürgergemeinden und Waldeigentümer-Verband Kanton Solothurn (BWSO) 1:4-6.

Bugmann, H.; Brang, P. (2009): Von der Natur lernen. TEC21, 25:26-29.

Buttler et al. 2010 125 ans du WSL - Portraits de chercheurs. La Forêt 12/10 : 18-19.

Buttler, A. (2009) Labo Story - Ecosystèmes, un subtil équilibre à maintenir. Medias et communication EPFL (S. Perrin), Journal Flash, 11 :16-17, 20.10.2009.

Buttler, A. (2011) Quand les arbres l'emportent sur les sapins. Medias et communication EPFL (S. Perrin), Journal Flash, 02 :16-17, 15.02.2011.

Elkin, C. and Bugmann, H. (2010). Impact of climate change on ecosystem services in the Valais, Switzerland. Pages 67-70 in M. Price, editor. Europe's ecological backbone: recognising the true value of our mountains. European Environment Agency, Copenhagen.

Gavazov, K., Spiegelberger, T., Buttler, A. 2010. Research higlight : Mountland – successful experiment set up in the Jura Mountains. Competence Center Environment and Sustainability-CCES, Newsletter 15, July 1.

Hirschi, C. (2009): Ländervergleich Energie und Umwelt. In T. Widmer, W. Beywl & C. Fabian (Eds.), Evaluation: Ein systematisches Handbuch (pp. 236-241). Wiesbaden: VS Verlag für Sozialwissenschaften.

Spiegelberger, T., Gavazov, K., Buttler, A. 2010. Réchauffement en montagne ! Geosciences actuel 4/2010.

Press and media articles (15)

2011 (3)

Bugmann, H.: Will the CO2 fertilization effect by offset by reduced tree longevity? Article in Sonntags-Zeitung, 2 January 2011.

Bugmann, H.: "Wissenschaft im Gespräch" on the UN International Year of Forests, Radio DRS 2 & 4, 26 January 2011.

Gletscher-Post" December 2010/January 2011, p. 7: „Von grossen Studien und kleinen“ Schritten“ [about the Case Study “Anpassung an die Klimaänderung im Berggebiet”]

2010 (6)

Bugmann, H.: Will the CO2 fertilization effect by offset by reduced tree longevity? Report in Deutschlandfunk, December 2010.

Briner, S., Lehmann, B. (2010): Wie die Mutterkuhhalter dem Klimawandel begegnen. die Mutterkuh 10(4). Mutterkuh Schweiz, Brugg.

Movie "Georges et Marguerite" (Vacca helvetica et homo sapin) 2010, scénario by Buttler, A., Vandenbergh, Ch. and Corboz, B., réalisation by Jéquier, C. et Weber, V.

Fitze, U. Forschungswald an der Klimagrenze. Alpenmagazin 7/2010. Online auf <http://www.alpenmagazin.org/>.

Interview with Willi Zimmermann (Biodiversity, Sustainability, and Law), Radio Ö1, 12. April 2010.

Forschung am Stillberg: Pioniere und Nutzniesser. Davoserzeitungsartikel übe die Stillbergforschung vom 8.10. 2010

2009-2006 (6)

Bugmann, H.: Article in the Saturday Magazine of "Luzerner Neuste Nachrichten" on upper treeline and its dynamics; June 2007.

Bugmann, H.; Brang, P.: Documentary on Swiss TV ("Einstein") on the Forest Reserve Network; September 2008.

Bugmann, H.: Documentary on Swiss TV ("Einstein") on the drought-induced forest dieback in the Southwestern United States; November 2008.

Bugmann, H.: Article in "Beboachter Natur" on the increasing wilderness of Swiss forests; May 2009.

SF, Magazin EINSTEIN, November 2008: Versteppung im Wallis

ARTE, XENIUS, August 2009: Wald und Klimawandel

Courses, seminars, workshops for stakeholders outside the scientific community (13)

2010 (7)

Briner, S. (2010): Auswirkungen von Klimaszenarien auf die Land- und Forstwirtschaft. MOUNTLAND Stakeholder Workshop at Visp, 29.9.2010.

Bugmann, H., Biodiversität und Ökologie. Symposium "Biodiversität – eine Herausforderung des 21. Jahrhunderts". ETH Zurich, 10 November 2010.

Bugmann, H.: Course for the Forest Engineers of the canton of St. Gallen on Adaptation of Forest Management to Climate Change; May 2010.

Elkin, C.M.: What is a model and how does it work? Definitions, Applications, Limits! Swiss Society of Wildlife Biology SGW-SSBF, Lyss, Switzerland, August 2010.

Steering group of the MOUNTLAND-Project, meeting Valais, September 29th 2010, Visp.

Workshop: Szenarien der Region „Visp/ Saas-Tal“ Visp, 28.07.2010. Organized by Fridolin Brand, Roman Seidl, Julia Brändle (NSSI, ETH Zürich).

Workshop: Szenarien der Region „Visp/ Saas-Tal“. Visp, 06.05.2010. Organized by Fridolin Brand, Roman Seidl, Julia Brändle (NSSI, ETH Zürich)

2009-2008 (6)

Balsiger, J. & Widmer A.: Die Elemente Integration und Koordination als besondere Herausforderungen der Waldpolitik. Institut für Terrestrische Ökosysteme: Montagskolloquium für die Praxis, ETH Zurich, 19 January 2009.

Bugmann, H.; Brang, P.; Rigling, A.: Summer Workshop of the Association of Swiss Mountain Sylviculturalists (Gebirgswaldflege-Gruppe) on Adaptation of Forest Management to Climate Change; August 2009.

Excursion Central Valais with the forest service Zurich Weinland, September 24th 2009.

Hirschi, C.: Governance-Ansätze in der Waldpolitik: Theoretische Grundlagen. Institut für Terrestrische Ökosysteme: Montagskolloquium für die Praxis, ETH Zurich, 19 January 2009.

Ingold, K.: Innovation in ausgewählten Forstbetrieben. Institut für Terrestrische Ökosysteme: Montagskolloquium für die Praxis, ETH Zurich, 19 January 2009.

Steering group of the MOUNTLAND-Project, meeting Valais, June 8th 2009, Naters.

Public information events for local and regional authorities, and for residents (10)

2010 (7)

Bugmann, H.: Author of the ETH Climate Blog (various contributions)

Journées portes ouvertes Arboretum national d'Aubonne (mai 2010)

Journées portes ouvertes Arboretum national d'Aubonne (octobre 2010)

Jubilé WSL (octobre 2010)

Öffentliche Exkursion in die MOUNTLAND-Versuchsfläche Stillberg. 2.10. 2010

Waldbewirtschaftung und Ökologie in Davos. Öffentliche Exkursion am 3.7. 2010 mit HP. Hefti (Gemeindeförster Davos) und P. Bebi (SLF, MOUNTLAND).

Waldnutzung in Graubünden - früher, heute, morgen" - Öffentliches Science Coffee der Wissensstadt Davos am 2.7. 2010. Podiumsdiskussion mit P. Bebi (SLF, MOUNTLAND), HP. Hefti (Gemeindeförster Davos), R. Hefti (Kantonsoberförster) und K. Hürlemann (Historikerin)

2009-2008 (3)

Excursion Leuk with the local authorities of the Burgerschaft Leuk. September 4th 2009.

Ingold, K., Barbezat, V. & Gillet, F.: Le projet MOUNTLAND du Centre de Compétence Environnement et Durabilité du Domaine des EPFL (CCES). Objectifs et enjeux pour le paysage jurassien. Comité de pilotage, projet Interreg GISP-Arc jurassien, 29 août 2008

Landnutzungs-, Wald- und Klimawandel im Alpenraum – und in Davos. Vortrag von P. Bebi und Diskussion im Rahmen der Jahresversammlung des Davoser Bauernverbandes. 30.10. 2008

Events and activities (courses) organized at schools (6)

Engel, S., Zimmermann, W. & Hirschi, C.: Environmental Governance, Master class at DUWIS, Fall Semester 2008.

Hirschi, C. & Engel, S.: Environmental Governance. Master class at DUWIS, Fall Semester 2010

Hirschi, C., Engel, S. & Zimmermann, W.; Environmental Governance, Master class at DUWIS, Fall Semester 2009.

Hirschi, C.: "Environmental Governance", Lecture at the Plant Science Center Zurich-Basel, Zurich, 30 September 2010.

Huber R. MOUNTLAND: sustainable land-use in mountain regions. Presentation at the Master course Bodenmarkt und Bodenpolitik at DAGRL, Spring Semester 2011.

Pohl, C., Balsiger, J. & Busch, T. Concepts and Assessments of Sustainable Development. Master class at DUWIS, Fall Semester 2010.

Other events (6)

Présentation du projet Mountland à la réunion de la Commission scientifique du Parc Jurassien Vaudois, Université de Lausanne (sept. 2009)

Rigling A. (2009): Presentation of MOUNTLAND-Results at the forest service of the Kanton Fribourg. April 24th 2009.

Rigling A. (2009): Presentation of MOUNTLAND-Results at the Forstschutztagung. Landquart, June 17th 2009

Walz A., Rigling A. (2009): Presentation of MOUNTLAND at basecamp09 Science et cité

Zimmerman, Willi (2009): Inputs zu horizontaler und vertikaler Integration in der schweizerischen Biodiversitätspolitik. Expertenkommission Biodiversitätsstrategie. Bern, 28. Oktober 2009.

Zimmerman, Willi (2009): Rechtliche und politische Aspekte im Zusammenhang mit der Vermarktung von Nichtholzgütern und -leistungen, Switzerland, Flims, August 27, 2009, Jahresversammlung Schweizerischer Forstverein.