

# EcoChange Publication list

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as of March 2012

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## Peer-reviewed journal publications

- Alagador, D., João Martins, M., Cerdeira, J.O., Cabeza, M. & Araújo, M.B. 2011. A probabilistic approach for matching species with reserves when data are at different resolutions. *Biological Conservation* 144: 811-820.
- Albert, C.H., Edwards, Jr. T., Graham, C.H., Yoccoz, N.G., Zimmermann, N.E. & Thuiller, W. Applied sampling in ecology and evolution – integrating questions and designs. *Ecography*, 33, 1028-1037
- Albert, C. & Thuiller, W., 2008. Favourability functions against probability of presence: advantages and misuses. *Ecography* 31, 417-422.
- Albert, C. H., Thuiller, W., Lavorel, S., Davies, I. D. & Garbolino, E., 2008. Land-use change and subalpine tree dynamics: colonization of *Larix decidua* in French subalpine grasslands. *Journal of Applied Ecology* 45, 659-669.
- Albert, C.H., Thuiller, W., Yoccoz, N.G., Douzet, R., Aubert, S. and Lavorel, S., 2010. A multi-trait approach reveals the structure and the relative importance of intra- versus interspecific variability. *Functional Ecology*. 24, 1192–1201.
- Albert, C.H., Thuiller, W., Yoccoz, N.G., Soudan, A., Boucher, F., Saccone, P. and Lavorel, S., 2010. Intraspecific functional variability: extent, structure and sources of variation within an alpine valley. *Journal of Ecology*. 98, 604–613.

- Anderson, B.J., Akçakaya, H.R., Araújo, M.B., Fordham, D.A., Martinez-Meyer, E., Thuiller, W., Brook, B.W., 2009. Dynamics of range margins for metapopulations under climate change. *Proceedings of the Royal Society B: Biological Sciences*. 276: 1415-1420.
- Araújo, M.B., Rozenfeld, R., Rahbek, C. & Marquet, P.A. 2011. Using species coexistence networks to assess the impacts of climate change. *Ecography*. doi: 10.1111/j.1600-0587.2011.06919.x
- Araújo M.B., Alagador D., Cabeza. M., Nogués-Bravo D. & Thuiller W., 2011. Effects of climate change on European conservation areas. *Ecology Letters*, 14, 484-492.
- Araújo, M.B., 2009. Protected areas and climate change in Europe. Discussion paper prepared for the 29th meeting of the Standing Committee of the Convention of the Conservation of European Wildlife and Natural Habitats, pp 30 pages, Bern.
- Araújo, M.B., Thuiller, W. & Yoccoz, N.G., 2009. Re-opening the climate envelope reveals macroscale associations with climate in European birds. *Proceedings of the National Academy of Sciences, USA*. 106 (16): E45-E46.
- Araújo, M.B., Nogués-Bravo, D., Diniz-Filho, J.A.F., Haywood, A.M., Valdes, P.J. & Rahbek, C., 2008. Quaternary climate changes explain diversity among reptiles and amphibians. *Ecography* 31: 8–15 [Choice of Faculty of 1000 Biology].
- Araújo, M.B. & Luoto, M., 2007. The importance of biotic interactions for modelling species distributions under climate change. *Global Ecology and Biogeography* 16, 743-753.
- Barbet-Massin, M., Thuiller, W., & Jiguet, F., 2010. How much do we overestimate local extinction rates when restricting the range of occurrence data in climate suitability models? *Ecography* 33: 878-886.
- Baselga, A. & Araújo, M.B., 2009. Individualistic vs. community modelling of species distributions under climate change. *Ecography* 32: 55-65.
- Baselga, A. & Araújo, M.B. 2010. Do community models fail to project community variation effectively? *Journal of Biogeography*. 37: 1842-1850.
- Beaumont L.J., Gallagher R.V., Thuiller W., Downey P.O., Leishman M.R. & Hughes L. 2009. Different climatic envelopes among invasive populations may lead to underestimations of current and future biological invasions. *Diversity and Distributions*, 15: 409-420.
- Beaumont L.J., Pitman A., Perkins S., Zimmermann N.E., Yoccoz N.G. & Thuiller W. (2011). Impacts of climate change on the world's most exceptional ecoregions. *Proceedings of the National Academy of Sciences of the United States of America*, 108: 2306-2311.
- Ben Rais Lasram F, Guilhaumon F, Albouy, C., Somot, S., Thuiller, W. & Mouillot, D., 2010. The Mediterranean Sea as a “cul-de-sac” for endemic fishes facing climate change. *Global Change Biology*. 16: 3233–3245.

- Broennimann, O., Fitzpatrick, M., Pearman, P.B., Pelissier, L., Petit-Pierre, B., Yoccoz, N.G., Thuiller, W., Fortin, M.J., Randin, C., Zimmermann, N.E., Graham, C.H. & Guisan, A. Measuring ecological niche overlap from occurrence and spatial environmental data. *Global Ecology and Biogeography*.
- Buisson, L., Thuiller, W., Casajus, N., Lek, S. and Grenouillet, G., 2010. Uncertainty in ensemble forecasting of species distribution. *Global Change Biology*. 16, 1145-1157.
- de Bello F., Lavergne S., Meynard C.N., Leps J. & Thuiller W., 2010. The partitioning of diversity: showing Theseus a way out of the labyrinth. *Journal of Vegetation Science*, 21, 992-1000.
- de Bello F., Lavorel S., Albert C.H., Thuiller W., Grigulis K., Dolezal J., Janecek S. & Leps J. 2011. Quantifying the relevance of intraspecific trait variability for functional diversity. *Methods in Ecology and Evolution*, 2, 163–174.
- de Bello F., Thuiller W., Leps J., Choler P., Clément J.-C., Macek P., Sebastia M.T. & Lavorel S., 2009. Partitioning of functional diversity reveals the scale and extent of trait convergence and divergence. *Journal of Vegetation Science*, 20, 475–486.
- Bohunovsky, L., I. Omann and J. Jäger (in print). Participatory scenario development for integrated sustainability assessment. *Regional Environmental Change*.
- Cianfrani C., Le Lay G., Maiorano L., Satizábal H.F., Loy A., Guisan A., 2011. Adapting global conservation strategies to climate change at the European scale: the otter as a flagship species. *Biological Conservation* 144(8), 2068-2080
- Civantos E., W. Thuiller, L. Maiorano, A. Guisan and M.B. Araujo. 2012. Potential impacts of climate change on ecosystem services in Europe: the case of pest control by vertebrates. *BioScience*, in press.
- Clevers, J.G.P.W., Kooistra, L., & Schaepman, M.E., 2008. Using spectral information from the NIR water absorption features for the retrieval of canopy water content. *International Journal of Applied Earth Observation and Geoinformation*, 10, 388-397.
- Coldea, G., Filipaş, L., Fărcaş, S., Stoica, A., Ursu, T., Pop, A.M., 2008. The relationship between the structure of grasslands from the north-eastern slope of the Vlădeasa massif and socio-economic activities. *Contribuții Botanice* 43, 53-65.
- D'Andrea, L., Broennimann, O., Kozłowski, G., Guisan, A., Morin, X., Keller-Senften, J. & Felber, F. 2009. Climate change, anthropogenic disturbance and the northwards range expansion of *Lactuca serriola* (Asteraceae). *Journal of Biogeography* 36(8): 1573-1587.
- Davison J., Opik M., Daniell T.J., Moora M. & Zobel M. (2011). Arbuscular mycorrhizal fungal communities in plant roots are not random assemblages. *FEMS Microbiology Ecology*, 78, 103-115.

- Devictor, V., Clavel, J., Julliard, R., Lavergne, S., Mouillot, D., Thuiller, W., Venail, P., Villégier, S. and Mouquet, N., 2010. Defining and measuring ecological specialization. *Journal of Applied Ecology*, 47, 15-25.
- Devictor, V., Mouillot, D., Meynard, C., Jiguet, F., Thuiller, W. and Mouquet, N., 2010. Spatial mismatch and congruence between taxonomic, phylogenetic and functional diversity: the need for integrative conservation strategies in a changing world. *Ecology Letters*. 13, 1030–1040.
- Diniz-Filho, J.A., Bini, L.M., Rangel, T.F.L.B., Loyola, R.D., Hof, C., Nogués-Bravo, D. & Araújo, M.B., 2009. Partitioning and mapping uncertainties in ensembles of forecasts of species turnover under climate changes. *Ecography* 32: 897-906.
- Diniz-Filho, J.A.F., Nabout, J.C., Bini, L.M., Loyola, R.D., Rangel, T.F.L.B., Nogués-Bravo, D. & Araújo, M.B. 2010. Ensemble forecasting and geographic range of *Tropidacris cristata* (Orthoptera: Acridoidea: Romaleidae) under climate change. *Insect Conservation and Diversity*. In press.
- Dubuis, A., Pottier, J., Rion, V., Pellissier, L., Theurillat, J. P. & Guisan, A. (2011) Predicting spatial patterns of plant species richness: a comparison of direct macroecological and species stacking approaches. *Diversity and Distribution*, 17(6), 1122-1131.
- Dullinger, S. & Hülber, K. 2011: Experimental evaluation of seed limitation in alpine snowbed plants. *PLoS One*, in press.
- Dullinger, S., Hülber, K., Dirnböck, T., Ertl, S., Gattringer, A., Grabherr, G., Leitner, M. & Mang, T. 2011. Patch configuration affects alpine plant distribution. *Ecography*, in press.
- Dury, M., Hambuckers, A., Warnant, P., Henrot, A., Favre, E., Ouberdous, M. & François, L., (2011). Responses of European forest ecosystems to 21st century climate: assessing changes in interannual variability and fire intensity. *iForest journal* 4, 82-99.
- Dury, M., Lehsten, D., Dullinger, S., Huelber, K., Cheddadi, R., Laborde, H., Sykes, M. T., Singarayer, J. & François, L. (in prep.). *Holocene migration speed of tree species simulated by two dynamic vegetation models and comparison with paleorecords*.
- Engler R., Guisan A., 2009. MIGCLIM: Predicting plant distribution and dispersal in a changing climate. *Diversity and Distributions* 15(4), 590-601.
- Engler R., Randin C.F., Vittoz P., Czaka T., Beniston M., Zimmermann N.E., Guisan A., 2009. Predicting future distributions of mountain plants under climate change: does dispersal capacity matter? *Ecography* 32, 34-45.
- Engler, R., Randin, C.F., Thuiller, W., Dullinger, S., Zimmermann, N.E., Araújo, M.B., Pearman, P.B., Le Lay, G., Piedallu, C., Albert, C.H., Choler, P., Coldea, G., de Lamo,

- X., Dirnböck, T. Gégout, J-C., Gómez-García1, D., Grytnes, J-A., Heegaard, E., Høistad, F., Nogués-Bravo, D., Normand, S., Puşcaş, M., Sebastià, M-T., Stanisc, A., Theurillat, J-P., Trivedi, M., Vittoz, P. & Guisan, A. 2011: 21st century climate change threatens mountain flora unequally across Europe. *Global Change Biology* 17(7), 2330-2341. doi: 10.1111/j.1365-2486.2010.02393.x
- Epp LS, Boessenkool S, Bellemain EP, Haile J, Esposito A, Riaz T, Erséus C, Gusarov V, Edwards M, Johnsen A, Stenøien HK, Hassel K, Kauserud H, Yoccoz NG, Bråthen KA, Willerslev E, Taberlet P, Coissac E, Brochmann C: New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. *Molecular Ecology* (accepted).
- Essl, F., Dullinger, S., Plutzer, C., Willner, W. & Rabitsch, W. 2011: Imprints of glacial history and current environment on correlations between endemic plant and invertebrate species richness. *Journal of Biogeography*, in press.
- Essl, F., Dullinger, S., Rabitsch, W., Hulme, P.E, Hülber, K., Jarošík, V., Kleinbauer, I., Krausmann, F., Kühn, I., Nentwig, W., Vilà, M., Genovesi, P., Gherardi, F., Desprez-Loustau, M.-L., Roques, A. & Pyšek, P. 2011: Socio-economic legacy yields an invasion debt. *Proceedings of the National Academy of Sciences of the U.S.A* 108: 203-207.
- Essl, F., Dullinger, S., Rabitsch, W., Hulme, P.E, Hülber, K., Jarošík, V., Kleinbauer, I., Krausmann, F., Kühn, I., Nentwig, W., Vilà, M., Genovesi, P., Gherardi, F., Desprez-Loustau, M.-L., Roques, A. & Pyšek, P. 2011: Response to Keller and Springborn: No doubt about invasion debt. *Proceedings of the National Academy of Sciences of the U.S.A* 108: E221.
- Estrada-Peña A. & Thuiller W. (2008). An assessment of the effect of data partitioning on the performance of modelling algorithms for habitat suitability for ticks. *Medical and Veterinary Entomology*, 22, 248-257.
- Ficetola, F., Maiorano, L., Falcucci, A., Dendoncker, N., Boitani, L., Padoa-Schioppa, E., Miaud, C. & Thuiller, W., 2010. Knowing the past to predict the future: land-use change and the spread of invasive Bullfrogs. *Global Change Biology*. 16, 528-537.
- Ficetola, F., Thuiller, W., Padoa-Schioppa, E., 2009. From introduction to the establishment of alien species: bioclimatic differences between presence and reproduction localities in the slider turtle. *Diversity and Distributions*, 15, 108-116.
- Ficetola G.F., Thuiller W. & Miaud C. (2007). Prediction and validation of the potential global distribution of a problematic alien invasive species - the American bullfrog. *Diversity and Distributions*, 13, 476-485.

- Fontaine, C. M., Dendoncker, N., De Vreese, R., Jacquemin, I., Marek, A., Van Herzele, A., Devillet, G., Mortelmans, D. & François, L. (submitted). Participatory Valuation and Modelling of Ecosystem Services under Land Use Change. *Journal of Land Use Science*.
- Fordham D.A., Akçakaya H.R., Araújo M.B. & Brook B.W. 2011. Modelling range shifts for invasive vertebrates in response to climate change. In *Wildlife conservation in a changing climate*. Eds. Brodie J., Post E., Doak D., University of Chicago Press. In press
- Gallien, L., Münkemüller, T., Albert, C.H., Boulangeat, I. & Thuiller, W., 2010. Predicting potential distributions of invasive species: where to go from here? *Diversity and Distributions*, 16, 331-342.
- Garcia, R. & Araújo, M.B. 2010. Planning for conservation in a changing climate. *Natureza & Conservação*. 8: 78-80.
- Gerard, F., Bugar, G., Gregor, M., Halada, L., Hazeu, G., Huitu, H., Köhler, R., Kolar, J., Luque, S., Múcher, C.A., Olschofsky, K., Petit, S., Pino, J., Smith, G., Thomson, A., Wachowicz, M., Bezák, P., Brown, N. M., Boltziar, E., 2010. Land cover change in Europe between 1950 to 2000 determined employing aerial photography. *Progress in Physical Geography*. In Press.
- Götzenberger, L.; Pottier, J.; Zobel, K.; Koorem, K., Moora, M., Pärtel, M.; Zobel, M. Assembly rules emerge at fine scale in forest understory. Submitted to *Journal of Vegetation Science*.
- Gotzenberger L., De Bello F., Brathen K.A., Davison J., Dubuis A., Guisan A., Leps J., Lindborg R., Moora M., Partel M., Pellissier L., Vittoz P., Zobel K. & Zobel M. (2011). Ecological assembly rules in plant communities – approaches, patterns and prospects. *Biological Reviews*, 87, 111-127.
- Guisan A., Rahbeck C., 2011. SESAM - a new framework integrating macroecological and species distribution models for predicting spatio-temporal patterns of species assemblages. *Journal of Biogeography* 38(8), 1433-1444.(doi: 10.1111/j.1469-185X.2011.00187.x)
- Hautier Y., Randin C.R., Stöcklin J., Guisan A., 2009. Changes in reproductive investment with altitude in an alpine plant. *Journal of Plant Ecology* 2(3), 125-134.
- Heikkinen, R.K. Luoto, M., Leikola, N., Pöyry, J. Settele, J., Kudrna, O., Marmion, M., Fronzek, S. & Thuiller, W. Assessing the vulnerability of European butterflies to climate change using multiple criteria. *Biodiversity and Conservation*.
- Hiiesalu, I.; Öpik, M.; Metsis, M.; Lilje, L.; Davison, J.; Vasar, M.; Moora, M.; Zobel, M.; Wilson, S.D.; Pärtel, M. (in press) Plant species richness belowground: higher richness

- and new patterns revealed by next-generation sequencing. *Molecular Ecology* doi: 10.1111/j.1365-294X.2011.05390.x.
- Hof, C., Levinsky, I., Araújo, M.B. & Rahbek, C. 2011. Rethinking species' ability to cope with rapid climate change. *Global Change Biology*. doi: 10.1111/j.1365-2486.2011.02418.x
- Hof, C., Rahbek, C. & Araújo, M.B. 2010. Phylogenetic signals in climatic niche similarity of the world's amphibians. *Ecography*. 33: 242-250.
- Holderegger R., Buehler D., Gugerli F., Manel S. 2010. Landscape genetics of plants. *Trends in Plant Science* 15: 675–683.
- Hülber, K., Bardy, K. & Dullinger, S. 2011: Effects of snowmelt timing and competition on the performance of alpine snowbed plants. *Perspectives in Plant Ecology, Evolution and Systematics*, 13: 15-26. Kleinbauer, I., Dullinger, S., Peterseil, J. & Essl, F., 2010. Climate change might drive the invasive tree *Robinia pseudacacia* into nature reserves and endangered habitats. *Biological Conservation* 143: 382-390.
- Jørgensen T, Haile J, Möller P, Kjær K, Andreev A, Boessenkool S, Rasmussen M, Kienast F, Coissac E, Taberlet P, Brochmann C, Bigelow NH, Andersen K, Orlando L, Gilbert MTP, Willerslev E. A comparative study of macrofossils, pollen and ancient plant DNA from permafrost sediments of northern Siberia reveals long-term vegetation stability. *Molecular Ecology* (accepted).
- Jørgensen T, Kjær KH, Haile J, Rasmussen M, Boessenkool S, Andersen K, Coissac E, Taberlet P, Brochmann C, Orlando L, Gilbert MTP, Willerslev E. Islands in the ice: detecting past vegetation on Greenlandic nunataks using historical records and sedimentary ancient DNA meta-barcoding. *Molecular Ecology* (accepted).
- Kneubühler, M., Koetz, B., Huber, S., Zimmermann, N.E., & Schaepman, M.E., 2008. Space-based Spectro-directional Measurements for the Improved Estimation of Ecosystem Variables. *Canadian Journal of Remote Sensing*, 34, 192-205.
- Kooistra, L., Wamelink, G.W.W., Schaepman-Strub, G., Schaepman, M.E., Van Dobben, H., Aduaka, U., & Batelaan, O., 2008. Assessing and predicting biodiversity in a floodplain ecosystem: assimilation of imaging spectroscopy products into a dynamic vegetation model. *Remote Sensing of Environment*, 112, 2118-2130.
- Kramer, H., Múcher, C.A., Hazeu, G., 2011. Historical land use databases. A new layer of information for geographical research. *International Journal Of Humanities And Arts Computing*, Vol. 5.1 : 41-58.
- Kramer, K., Degen, B., Buschbom, J., Hickler, T., Thuiller, W., Sykes, M.T., de Winter, W., 2010. Modelling exploration of the future of European beech (*Fagus sylvatica* L.) under

- climate change - Range, abundance, genetic diversity and adaptive response. *Forest Ecology and Management*, 259, 2213–2222.
- Kunstler, G., Albert, C.H, Courbeau, B., Lavergne, S., Thuiller, W., Vielledent, G., Zimmermann, N.E., Coomes, D. Effects of competition on tree radial-growth vary in importance but not in intensity along climatic gradients. *Journal of Ecology*. doi: 10.1111/j.1365-2745.2010.01751.x
- Kujala, H., Cabeza, M., Araújo, M.B. & Thuiller, W. 2011. Misleading results from conventional Gap analysis – messages from the warming North. *Biological Conservation*. In press. Kuzmina, S., Edwards, M., Haile, J., Yan, E., Kotov, A., Willerslev, E., Sher, A. (no date). The Late Pleistocene environment of eastern West Beringia based on the principal section at the Main River, Chukotka. *Quaternary Science Reviews*. (submitted).
- Lavergne, S., Mouquet, N., Thuiller, W., Ronce, O., 2010. Biodiversity and climate change: Integrating evolutionary and ecological responses of species and communities. *Annual Review of Ecology, Evolution and Systematics*, 41: 321-350.
- Lenoir, J., Gégout, J.-C., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann, N.E., Dullinger, S., Pauli, H., Willner, W. & Svenning, J.-C. 2010. Going against the flow: potential mechanisms for the unexpected downward range shifts of some mountain plant species despite a warming climate. *Ecography*, 33, 295-303.
- Lenoir, J., Gégout, J.-C., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann, N.E., Dullinger, S., Pauli, H., Willner, W, Grytnes, J.-A., Virtanen, R. & Svenning, J.C. 2010: Cross-scale analysis of the region effect on vascular plant species diversity in southern and northern European mountain ranges. *PLoS One* 5: e15734.
- Le Lay, G., Franc, E., Engler, R. & Guisan, A. 2010. Model-based sampling using model ensembles improves the detection of rare species. *Ecography* 33, 1015-1027
- Lomba A., Pellissier L., Randin C.R., Vicente J., Moreira F., Honrado J. & Guisan, A. 2010 Overcoming the rare species modelling paradox: A novel hierarchical framework applied to an Iberian endemic plant. *Biological Conservation* 143(11): 2647-2657.
- Lütolf M., Bolliger J., Guisan A., Kienast F., 2009. Scenario-based assessment of future land use change on butterfly species distributions. *Biodiversity and Conservation* 18(5), 1329-1345.
- Lütolf, M., Kienast, F. & Guisan, A. 2009. History matters: relating paths and rates of landscape change to butterfly species decline. *Environmental Management* 43(3): 436-446.
- Maiorano, L., Falcucci, A., Zimmermann, N.E., Psomas, A., Pottier, J., Baisero, D., Rondinini, C., Guisan, A. & Boitani, L. 2011. The future of terrestrial mammals in the



Mediterranean basin under climate change. *Philosophical Transactions of the Royal Society B*, 366, 2681-2692.

- Maiorano L., R. Cheddadi, L. Pellissier, B. Petitpierre, J. Pottier, H. Laborde, B.I. Hurdu, N.E. Zimmerman, P. Pearman, A. Psomas, J.S. Singarayer, O. Broennimann, P. Vittoz, A. Dubuis, M.E. Edwards, H.A. Binney and A. Guisan. 2012. Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. *Global Ecology and Biogeography*, doi: 10.1111/j.1466-8238.2012.00767.x.
- Malenovský, Z., Mishra, K.B., Zemek, F., Rasher, U., Nedbal, L., 2009. Scientific and technical challenges in remote sensing of plant canopy reflectance and fluorescence. *Journal of Experimental Botany*, 60(11), 2987-3004.
- Marmion, M., Hjort, J., Thuiller, W., Luoto, M., 2009. Statistical consensus methods for improving predictive geomorphology maps. *Computer and Geosciences*, 35, 615-625.
- Marmion, M., Luoto, M., Heikkinen, R.K., Thuiller, W., 2009. The performance of state-of-the-art modelling techniques depends on geographical distribution of species. *Ecological Modelling*, 220, 3512-3520.
- Marmion, M., Parviainen, M., Luoto, M., Heikkinen, R.K., Thuiller, W., 2009. Evaluation of consensus methods in predictive species distribution modelling, *Diversity and Distributions*, 15, 59-69.
- Mathys L., Guisan A., Kellenberger T.W., Zimmermann N.E., 2009. Evaluating effects of spectral training data distribution on continuous field mapping performance. *ISPRS Journal of Photogrammetry and Remote Sensing* 64(6), 665-673.
- Meier, E.S., Edwards, T.C., Kienast, F., Dobbertin, M. & Zimmermann, N.E. (2011) Co-occurrence patterns of trees along macro-climatic gradients and their potential influence on the present and future distribution of *Fagus sylvatica* L. *Journal of Biogeography*, 38, 371-382.
- Meier, E.S., Lischke, H., Schmatz, D.R. & Zimmermann, N.E. (2011) Climate, competition and connectivity affect future migration and ranges of European trees. *Global Ecology and Biogeography*, Early online, DOI: 10.1111/j.1466-8238.2011.00669.x.
- Meier, E.S., Kienast, F., Pearman, P.B., Svenning, J.-C., Thuiller, W., Araújo, M.B., Guisan, A. & Zimmermann, N.E. Biotic and abiotic variables show little overlap in explaining tree species distribution patterns. *Ecography*, 33, 1038-1048
- Meynard, C.N. Devictor, V., Mouillot, D., Thuiller, W., Jiguet, F., & Mouquet, N. Beyond taxonomic diversity patterns: how  $\alpha$ ,  $\beta$  and  $\gamma$  components of functional and phylogenetic diversity respond to environmental gradients across France? *Global Ecology & Biogeography*

- Midgley, G. F., Davies, I. D., Albert, C. H., Altwegg, R., Hannah, L., Hughes, G. O., O'Halloran, L.R. Seo, C., Thorne, J.H. & Thuiller, W. BioMove – an integrated platform simulating the dynamic response of species to environmental change. *Ecography*. , 33, 612-616.
- Milton, E.J., Schaepman, M.E., Anderson, K., Kneubühler, M., & Fox, N., 2009. Progress in Field Spectroscopy. *Remote Sensing of Environment*, 113, 92-109.
- Morin, X. & Thuiller, W., 2009. Comparing niche- and process-based models to reduce prediction uncertainty in species range shifts under climate change. *Ecology* 90, 1301–1313.
- Mücher, C.A., 2011. Monitoring biodiversity using remote sensing and field surveys. Chapter 4 in: *Land use, climate change and biodiversity modeling: perspectives and applications* (Eds., Y. Trisurat, R.P. Shrestha and R. Alkemade, Editors), pp. 78 – 102.
- Mücher, C.A., Hennekens, S.M., Bunce, R.G.H., Schaminée, J.H.J., Schaepman, M.E., 2009. Modelling the spatial distribution of Natura 2000 habitats across Europe. *Landscape Urban Plan.* 92 (2), 148-159.
- Mücher, C.A., Klijn, J.A., Wascher, D.M., Schaminée, J.H.J., 2010. A new European Landscape Classification (LANMAP): A transparent, flexible and user-oriented methodology to distinguish landscapes. *Ecol. Indicat.* 10 (2010) 87–103.
- Murray-Rust, D., Dendoncker, N., Dawson, T.P, Acosta-Michlik, L., Karali, E., Guillem, E. and Rounsevell, M. 2011. Conceptualising the analysis of socio-ecological systems through ecosystem services and agent based modelling, *Journal of Land Use Science*, Vol. 6, 83-99.
- Nogués-Bravo, D., Araújo, M.B., Romdal, T., and Rahbek, C. Scale effects and human impact on the elevational species richness gradients. *Nature* 453:216-220.
- Nogués-Bravo, D., Ohlemüller, R., Batra, P. & Araújo, M.B. 2010. Climate predictors of Late Quaternary Extinctions. *Evolution*. 64: 2442-2449
- Normand, S., Treier, U.A., Randin, C.F., Vittoz, P., Guisan, A. and Svenning, J.C., 2009. Importance of abiotic stress as a range limit determinant: insights from species responses along climatic gradients. *Global Ecology and Biogeography* 18: 437-449.
- Olofsson, J., Hickler, T., Sykes, M.T., Araújo, M.B., Balletto, E., Berry, P.B., Bonelli, S., Cabeza, M., Dubuis, A., Guisan, A., Kujala, H., Piper, J., Rounsevell, M., Settele, J., Thuiller, W. & Kühn, I. Climate change impacts on European biodiversity – observations and future projections. *Biological Reviews*. In review.
- Öpik, M., Vanatoa, A., Vanatoa, E., Moora, M., Davison, J., Kalwij, J.M., Reier, Ü. & Zobel, M. 2010. The online database MaarjAM reveals global and ecosystem distribution patterns in arbuscular mycorrhizal fungi (Glomeromycota). *New Phytologist* 188: 223-241.

- Parducci L, Jørgensen T, Tollefsrud MM, Elverland E, Alm T, Fontana SL, Bennett KD, Haile J, Matetovici I, Suyama Y, Edwards ME, Andersen K, Rasmussen M, Boessenkool S, Coissac E, Brochmann C, Taberlet P, Houmark-Nielsen M, Larsen NK, Orlando L, Gilbert MTP, Kjær KH, Alsos IG, Willerslev E. Glacial survival of boreal trees in northern Scandinavia. *Science* (accepted ).
- Parviainen, M. Marmion, M. Luoto, M., Thuiller, W. & Heikkinen, R.K. Using summed individual species models and state-of-the-art modelling techniques to identify threatened plant species hotspots. *Biological Conservation*, 142, 2501-2509.
- Pearman, Peter B., Christophe F. Randin, Olivier Broennimann, Pascal Vittoz, Willem O. van der Knaap, Robin Engler, Gwenaëlle Le Lay, Niklaus E. Zimmermann and Antoine Guisan, 2008. Prediction of plant species distributions across six millennia. *Ecology Letters*, 11, p. 357–369.
- Pearman, Peter B., Antoine Guisan, Olivier Broennimann and Christophe F. Randin, 2007. Niche dynamics in space and time. *Trends in Ecology and Evolution* 23/3, p. 149-158.
- Pearman, P., Guisan, A. & Zimmermann N.E. 2011. Impacts of climate change on Swiss biodiversity: an indicator taxa approach. *Biological Conservation*, 144, 866-875.
- Pellissier, L., Pradervand, J.-N., Pottier, J., Dubuis, A., Maiorano, L. & Guisan, A. 2012 : Climate-based empirical models show biased predictions of butterfly communities along environmental gradients. *Ecography*, in press.
- Pellissier L., Brathen K.A., Pottier J., Randin C.R., Vittoz P., Dubuis A., Yoccoz N.G., Alm T., Zimmerman N.E., Guisan A. 2010. Species distribution models reveal apparent competitive and facilitative effects of a dominant species on the distribution of tundra plants. *Ecography* 33: 1004-1014
- Pellissier L., Brathen K.A., Pottier J., Randin C.R., Vittoz P., Dubuis A., Yoccoz N.G., Alm T., Zimmerman N.E., Guisan A. 2010. Species distribution models reveal apparent competitive and facilitative effects of a dominant species on the distribution of tundra plants. *Ecography* 33: 1004-1014.
- Pellissier L., Pottier J., Vittoz P., Dubuis A. & Guisan A. 2010. Spatial pattern of floral morphology: an insight into the effects of pollinators on plant distributions? *Oikos* 119(11): 1805-1813.
- Pellissier, L., Fournier, B., Guisan, A. & Vittoz, P. 2010. Plant traits co-vary with altitude in grasslands and forests in the European Alps. *Plant Ecology* 211(2): 351-365
- Pompe, S. Hanspach, J., Badeck, F., Klotz, S., Thuiller, W., Kühn, I., 2008. Projecting future land use and climate change impacts on plant distribution in Germany. *Biology Letters*, 4, 564-567.

- Pottier, J., Dubuis, A., Pellissier, L., Maiorano, L., Rossier, L., Vittoz, P., Randin, C. & Guisan, A. (in review) Prediction accuracy of stacked-species distribution models degrades toward more productive and disturbed habitats at low elevations. *Global Ecology and Biogeography*.
- Randin C.F., Jaccard H., Vittoz P., Yoccoz N.G., Guisan A., 2009. Land use improves spatial predictions of plant abundances but not occurrences in a mountain landscape. *Journal of Vegetation Science* 20: 996-1008.
- Randin C.F., Vuissoz G., Liston G., Vittoz P., Guisan A., 2009. Introduction of snow and geomorphic disturbance variables into predictive models of alpine plant distribution in the Western Swiss Alps. *Arctic, Antarctic, and Alpine Research* 41: 347-361.
- Randin, C., Engler, R., Zappa, M., Normand, S., Zimmermann, N.E., Pearman, P., Vittoz, P., Thuiller, W., Guisan, A., 2009. Climate change and plant distribution: local models predict high-elevation persistence. *Global Change Biology* 15: 1557-1569.
- Renetzer, C., Schindler, S., Peterseil, J., Prinz, M.A., Muecher, C.A., Wrba, T., 2010. Can we measure ecological sustainability? Landscape pattern as an indicator for naturalness and land use intensity at regional, national and European level. *Ecol. Indicat.* 10, 39-48.
- Reyer, C., Leuzinger, S., Rammig, A., Wolf, A., Bartholomeus, R.P., de Dato, G., de Angelis, P., Dury, M. *et al.* (to be submitted). *A plant's perspective of extremes: Plant and ecosystem responses to changing climatic variability*. *Biogeosciences*.
- Roura-Pascual, N., Bas, J.P., Thuiller, W., Hui, C., Krug, R.M., and Brotons, L., 2009. From introduction to equilibrium: reconstructing the invasive pathways of the Argentine ant in a Mediterranean region. *Global Change Biology*, 15, 2101-2115.
- Salamin, N., Würst, R., Lavergne, S., Thuiller, W. & Pearman, P. Assessing rapid evolution in a changing environment. *Trends in Ecology and Evolution*. 25(12) 692-698.
- Schaepman, M.E., Wamelink, G.W.W., van Dobben, H., Gloor, M., Schaepman-Strub, G., Kooistra, L., Clevers, J.G.P.W., Schmidt, A., & Berendse, F., 2007. River Floodplain Vegetation Scenario Development using Imaging Spectroscopy and Ecosystem Models. *Photogrammetric Engineering and Remote Sensing*, 73, 1179-1188.
- Schaepman-Strub, G., Limpens, J., Menken, M., Bartholomeus, H., & Schaepman, M.E. (2008). Towards spatial assessment of carbon sequestration in peatlands: spectroscopy based estimation of fractional cover of three plant functional types. *Biogeosciences Discussions*, 5, 1293-1317.
- Scherrer, D., Körner, C. 2010. Infra-red thermometry of alpine landscapes challenges climatic warming projections. *Global Change Biology* 16: 2602-2613.

- Scherrer, D., Körner, C. 2010. Topographically controlled thermal-habitat differentiation buffers alpine plant diversity against climate warming. *Journal of Biogeography* doi:10.1111/j.1365-2699.2010.02407.x.
- Scherrer, D., Schmid, S., Körner, C. 2010. Elevational species shifts in a warmer climate are overestimated when based on weather station data. *International Journal of Biometeorology* DOI 10.1007/s00484-010-0364-7.
- Schorr G., Holstein N., Pearman P.B., Guisan A., Kadereit J.W., In Press. Integrating species distribution models and phylogeography for two species of Alpine Primula. *Ecology & Evolution*.
- Seo, C., Thorne, J., Hannah, L. & Thuiller, W., 2009. Scale effects in species distribution models – implications for planning under climate change. *Biology Letters*, 5, 39-43.
- Soininen EM, Valentini A, Coissac E, Miquel C, Gielly L, Brochmann C, Brysting A, Sønstebo JH, Ims RA, Yoccoz NG, Taberlet P., 2009. Analysing diet of small herbivores: the efficiency of DNA barcoding coupled with high-throughput pyrosequencing for deciphering the composition of complex plant mixture. *Frontiers in Zoology*, 6 : 16, doi:10.1186/1742-9994-6-16.
- Sønstebo JH, Gielly L, Brysting AK, Elven R, Edwards M, Haile J, Willerslev E, Coissac E, Rioux D, Sannier J, Taberlet P, Brochmann C., 2010. Using Next-Generation Sequencing for Molecular Reconstruction of Past Arctic Vegetation and Climate. *Molecular Ecology Resources* 10: 1009-1018.
- Smolik, M.G., Dullinger, S., Essl, F., Kleinbauer, I. Leitner, M., Peterseil, J., Stadler, L.-M. & Vogl, G., 2010. Integrating species distribution models and interacting particle systems to model the spread of an invasive plant. *Journal of Biogeography* 37: 411-422.
- Taberlet P, Coissac E, Pompanon F, Brochmann C, Willerslev E. Towards next-generation biodiversity assessment using DNA metabarcoding. *Molecular Ecology* (accepted).
- Thuiller, W., Albert, C., Araújo, M.B., Berry, P.M., Cabeza, M., Guisan, A., Hickler, T., Midgley, G.F., Paterson, J., Schurr, F.M., Sykes, M.T., Zimmermann, N.E., 2008. Predicting global change impacts on plant species distributions: future challenges. *Perspectives in Plant Ecology, Evolution and Systematics* 9, 137-152.
- Thuiller, W., Albert, CH., Dubuis, A., Randin, C. & Guisan, A., 2010. Variation in habitat suitability models do not always relate to variation in species' plant functional traits. *Biology Letters*, 6, 120:123.
- Thuiller, W., Lafourcade, B., Engler, R., & Araújo, M.B. BIOMOD – A platform for ensemble forecasting of species distributions. *Ecography*. In press.

- Thuiller W., Gallien, L., Boulangeat, I., de Bello, F., Münkemüller, T., Roquet-Ruiz, C. & Lavergne, S., 2010. Resolving Darwin's naturalization conundrum: a quest for evidence. *Diversity and Distributions*. 16, 461–475.
- Thuiller, W., Lavergne, S., Roquet, C., Boulangeat, I. & Araújo, M.B. 2011. Consequences of climate change to the Tree of Life in Europe. *Nature* 470, 531-534.
- Ustin, S., Gitelson, A.A., Jacquemoud, S., Schaepman, M.E., Asner, G., Gamon, J.A., & Zarco-Tejada, P., 2009. Retrieval of Foliar Information about Plant Pigment Systems from High Resolution Spectroscopy. *Remote Sensing of Environment*, 113, 67-77.
- Vallecillo, S., Brotons, L. & Thuiller, W., 2009. Dangers of predicting bird species distributions in response to land-cover changes: the role of dynamic processes. *Ecological Applications*, 19, 538-549.
- Van Herzele, A., Dendoncker, N. and Acosta-Michlik, L. Mobilisation capacity for agri-environmental management. Submitted to *Journal of Rural Studies*.
- Verrelst, J., Schaepman, M.E., Kötz, B., & Kneubühler, M., 2008. Angular sensitivity of vegetation indices derived from CHRIS/PROBA data. *Remote Sensing of Environment*, 112, 2341-2353.
- Vicente J., Randin C.F., Gonçalves J., Metzger M.J., Lomba A., Honrado J., Guisan A., 2011. Where will conflicts between alien and rare species occur after climate and land-use change? A test with a novel combined modelling approach. *Biological Invasions* 13(5), 1209-1227.
- Virkkala, R., Marmion, M., Heikkinen, R.K., Thuiller, W., Luoto, M., 2010. Predicting range shifts of northern bird species: influence of modelling technique and topography. *Acta Oecologica*. 36, 269-281.
- Visconti, P., Pressey, R.L., Giorgini, D., Maiorano, L., Bakkenes, M., Boitani, L., Alkemade, R., Falcucci, A., Chiozza, F. & Rondinini, C. 2011. Future hotspots of terrestrial mammal loss. *Philosophical Transactions of the Royal Society Series B*, 366, 2693-2702.
- Vittoz, P., Bayfield, N., Brooker, R., Elston, D., Duff, B., Theurillat, J.-P.<sup>4</sup> & Guisan, A. 2010. Reproductibility of species lists, visual cover estimates and frequency methods for recording high mountain vegetation. *Journal of Vegetation Science* 21(6): 1035-1047.
- Vittoz, P., Randin, C., Dutoit, A., Bonnet F. & Hegg O., 2009. Low impact of climate change on subalpine grasslands in the the Swiss Northern Alps? *Global Change Biology* 15, 209-220.
- Vittoz, P., Dussex, N., Wassef, J. & Guisan, A., 2009. Diaspore traits discriminate good from weak colonisers on high elevation summits. *Basic & Applied Ecology* 10: 508-515.

- White, M.A., de Beurs, K.M., Didan, K. , Inouye, D.W., Richardson, A.D., Jensen, O.P., O'Keefe, J., Zhang, G., Nemani, R.R., van Leeuwen, W.J.D., Brown, J.F., de Wit, A., Schaeppman, M. , Lin, X.l , Dettinger, M., Bailey, A.S., Kimball, J., Schwartz, M.D., Baldocchi, D.D. , Lee, J.T.r , Lauenroth, W.K., 2009. Intercomparison, interpretation, and assessment of spring phenology in North America estimated from remote sensing for 1982-2006. *Global Change Biology*, 15 (10), pp. 2335-2359.
- Williams, P.H., Araújo, M.B. & Rasmont, P., 2007. Predicting vulnerability among species and sites for British bumblebees. *Biological Conservation* 138: 493-505.
- Wintle B.A., S.A. Bekessy, D.A. Keith, B.W. van Wilgen, M. Cabeza, B. Schröder, S.B. Carvalho, A. Falcucci, L. Maiorano, T.J. Regan, C. Rondinini, L. Boitani and H.P. Possingham. 2011. Ecological-economic optimization of biodiversity conservation under climate change. *Nature Climate Change* 1: 355-359.
- de Witte L.C., Stöcklin J. 2012. Horizontal growth in arctic-alpine clonal plants is not affected by climatic variability among regions. *Plant Ecology and Diversity*, accepted.
- de Witte, L.C., Armbruster, G.J.F., Gielly, L., Taberlet, P., Stöcklin, J. 2012. AFLP markers reveal high clonal diversity and extreme longevity in four arctic-alpine key species. *Molecular Ecology* 21: 1081–1097.
- de Witte, L.C., Scherrer, D., Stöcklin, J. 2011. Genet longevity and population age structure of the clonal pioneer species *Geum reptans* based on demographic field data and projection matrix modelling. *Preslia* 83: 371–386.
- de Witte, L.C., Stöcklin, J. 2010. Longevity of clonal plants: why it matters and how to measure it. *Annals of Botany* 106: 859–870.
- Wisz, M. & Guisan, A. 2009. Do pseudo-absence selection strategies affect geographic predictions of species? A virtual species approach. *BMC Ecology* 9:8
- Yoccoz NG, Bråthen KA, Gielly L, Haile J, Edwards ME, Goslar T, von Stedingk H, Brysting AK, Coissac E, Pompanon F, Sønstebo JH, Miquel C, Valentini A, de Bello F, Chave J, Thuiller W, Wincker P, Cruaud C, Gavory F, Rasmussen M, Gilbert MTP, Orlando L, Brochmann C, Willerslev E, Taberlet P. DNA from soil mirrors plant taxonomic and growth form diversity. *Molecular Ecology* (accepted).
- Zimmermann, Z.E., Yoccoz, N.G., Edwards, Jr., T.C., Meier, E.C., Thuiller, W., Guisan, A., Schmatz, D.R. and Pearman, P.B. Climatic extremes improve predictions of spatial patterns of tree species. *Proceedings of the National Academy of Sciences, USA*. 106, 19723–19728.
- Zobel, M., Otto, R., Laanisto, L., Naranjo-Cigala, A., Pärtel, M. & Fernandez-Palacios, J.M. 2011. The formation of species pools: historical habitat abundance affects current local diversity. *Global Ecology and Biogeography* 20: 251-259.

## Book chapters

- Araújo, M.B., 2009. Climate change and Spatial Conservation Planning. In Spatial Conservation Prioritization: quantitative methods and computational tools (eds. A. Moilanen, H. Possingham, K. Wilson). Oxford University Press.
- Diniz-Filho, J.A.F. & Araújo, M.B. 2010. Macroecologia e mudanças climáticas. in Biogeografia da América do Sul: Padrões e Processos (ed. C.J.B. Carvalho & E. Almeida). Editorial Rocha. In press.
- Gillson, L., Laddle, R.J., Araújo, M.B. 2011. Base-lines, patterns and process. in Conservation Biogeography. (ed. R.J. Whittaker & R.J. Laddle). Blackwell-Wiley. Oxford.
- Mücher, C.A., 2011. Monitoring biodiversity using remote sensing and field surveys. In: Land use, climate change and biodiversity modeling: perspectives and applications (Eds., Y. Trisurat, R.P. Shrestha and R. Alkemade, Editors), pp. 78 – 102.
- Omann, I., L. Bohunovsky, J. Jäger (2010). Partizipative Szenarienentwicklung als Teil einer integrierten Nachhaltigkeitbewertung. In R. Steurer and R. Trattnigg: Nachhaltigkeit regieren: Eine Bilanz zu Governance-Prinzipien und –Praktiken. Oekom Verlag.
- Pellissier L., Alvarez N., Guisan A., 2012. Pollinators as drivers of plant distribution and assemblage into communities. pp.392-413 in Patiny S. (eds.) Evolution of plant-pollinator interactions. *Systematics Association Special Volume Series 81*. Cambridge University Press, Cambridge
- Randin, C.F., Engler, R., Pearman, P.B., Vittoz, P. & Guisan, A., 2010. Using georeferenced databases to assess the effect of climate change on alpine plant species and diversity. In Körner, C. & Spehn, E.M. (Eds), Data mining for global trends in mountain biodiversity, CRC/Taylor & Francis, Chapter 15, pp. 149-164.
- Thuiller, W. & Münkemüller, T., 2010. Habitat suitability modeling. In Moeller, A.P., Fielder, W. & Berthold, P. eds., Effects of climate change on birds, Oxford University Press.

## Presentations at conferences/workshops, etc.

- Ač, A., Olejníčková, J., Mishra, K.B., Malenovský, Z., Hanuš, J., Trtílek, M., Nedbal, L., and Marek, M.V., 2008. Towards remote sensing of vegetation processes. In Kooistra, L., Ligtenberg, A., (Eds.). Proceedings of Workshop Sensing a Changing World 2008, Wageningen University, Wageningen, The Netherlands, 19-21 November 2008, pp. 19-23.



- Albert, C.H., Thuiller, W., Dubuis, A., Randin, C., Guisan, A. & Lavorel, S., 2009. Habitat suitability as a functional description of species' niches. In: Second DIVERSITAS Open Science Conference - Biodiversity and society: understanding connections, adapting to change, Cape Town, South Africa.
- Albert, C.H., Thuiller, W., Dubuis, A., Randin, C., Guisan, A. & Lavorel, S., 2009. Habitat suitability as a functional description of species' niches. In: Niche evolution - a unifying concept for systematics, ecology, paleontology and conservation biology, Zurich, Switzerland.
- Albert, C.H., Thuiller, W. & Lavorel, S., 2008. In situ quantification of intra-specific functional variability and inclusion in a landscape model. In: EURECO-GFOE - 11th European Ecological Conference of the European Ecological Federation, Leipzig, Germany.
- Albert, C. H., Thuiller, W. & Lavorel, L., 2010. Intraspecific functional variability: how should we use traits data from large databases? 9th meeting on vegetation databases - Vegetation Databases and Climate Change, Hamburg, Germany.
- Barbet-Massin, M., Thuiller, W. & Jiguet, F., 2009. Effects of restricting range of occurrence data to project current and future species distributions - back from predicted Iberian bird mass extinction. In: 2nd European Congress of Conservation Biology, Pragua (Czech Republic).
- Bellemain, E.P., Kauserud, H., Boessenkool, S., Epp, L., Brochmann, C.  
Reconstruction of historic fungal communities by barcoding DNA preserved in permafrost. MicroPerm workshop; 2010-11-08 - 2010-11-10. UiO
- Bohunovsky, L., Grünberger, S. and Omann, I., 2010. Socio-economic scenarios for biodiversity and ecosystem assessment. Paper submitted to the International Society for Ecological Economics (ISEE) 11th Biennial Conference: Advancing Sustainability in a Time of Crisis, 22 - 25 August 2010, Oldenburg and Bremen, Germany.
- Bohunovsky, L. and Omann I. Participatory scenario development for integrated sustainability assessment. Presentation at the IARU International Scientific Congress on Climate Change, 10-12 March 2009, Copenhagen.
- Boessenkool, S., Epp, L., Haile, J., Bellemain, E.P., Esposito, A., Coissac, E., Taberlet, P., Willerslev, E., Brochmann, C. Arctic archives in the dirt: Paleoecological reconstruction of biodiversity from ancient DNA preserved in permafrost soils. International Polar Year conference; 2010-06-07 - 2010-06-12. UiO

- Boulangeat, I., Thuiller, W. & Lavergne, S., 2008. Plant community structure of the French Alps - specialist versus generalist. In: EURECO-GFOE – 11th European Ecological Conference of the European Ecological Federation.
- Boulangeat, I., Thuiller, W. & Lavergne, S., 2010. Patterns of plant specialization in the Alps. 9th meeting on vegetation databases - Vegetation Databases and Climate Change, Hamburg, Germany.
- Brochmann C, Taberlet P, ECOCHANGE Activity 2 team, 2008. Reconstruction of past ecosystems by barcoding DNA preserved in permafrost soils. Abstract (invited talk), Joint 12th International Palynological Congress and 8th International Organisation of Palaeobotany Conference, Bonn, Germany, August 30 - September 5.
- Broennimann, O., Petitpierre, B. & Guisan, A. 2010. A framework to measure species' ecological niche overlap in space and time: illustration with a large set of invasive plants. NEOBIOTA 2010 Conference. Biological Invasions in a Changing World - from Science to Management, 6th NEOBIOTA Conference, Copenhagen, Denmark, 14-17 September, 2010.
- Buisson, L., Thuiller, W., Lek, S. & Grenouillet, G., 2008. Impacts potentiels du changement climatique sur les assemblages de poissons dans les rivières françaises. In: 120e congrès de l'AFAS - Changement climatique et biodiversité, Grand amphithéâtre du Muséum national d'histoire naturelle, Paris.
- Bunce, R.G.H., Evans, D., Múcher, C.A., Hennekens, S.M., 2009. An expert system for identifying the habitats of Annex I of the Habitats Directive. European landscapes in transformation: challenges for landscape ecology and management. European IALE Conference 2009 (Eds. Breuste, J., Kozova, M., Finka, M.), 70 years of Landscape Ecology in Europe. Salzburg (Austria), Bratislava (Slovakia), 2009.
- Cristea V, Puşcaş M, Coldea G, Arctic environment: ecological conditions and the life of organisms. Study case: region of Svalbard (Norway), Abstract (invited talk) in: Ed. Universităţii „Alexandru Ioan Cuza” Iaşi (ISBN 978-973-703-501-1), *In situ* and *ex situ* Plant diversity conservation, VIIth Edition. Conference 16-18 octombrie 2009 in Iaşi (Romania), pg. 10.
- De Wit, A. and Múcher, C.A., 2009. Satellite-derived trends in phenology over Europe: real trends or algorithmic effects. Poster presented at the General Assembly 2009 of the European Geosciences Union (EGU), from 19 – 24 April 2009, Austria Center Vienna (ACV), Vienna, Austria. (Abstract identification number EGU2009-4837).
- Dubuis A., Pellissier L. Chérix D., Vittoz P., Guisan A. 2010. Biodiversité des plantes et insectes dans les Préalpes: causes et conséquences. *Biodiversité*. 4 Novembre, Sion, Switzerland

- Dubuis, A., Pottier, J., Rion, V., Pellissier, L., Theurillat, J.-P., Guisan, A. 2010. Predicting spatial patterns of species richness: a comparison of direct macroecological and species stacking approaches. Global Change and the World's Mountains, Perth, Scotland, UK, 26-30 September 2010
- Dury, M., Lehsten, D., Dullinger, S., Polska, A., Hülber, K., Cheddadi, R., Laborde, H., Sykes, M.T., Hickler, T., Singarayer, J., François, L. & Warnant P., 2011. Simulating the Holocene re-colonization of Europe by tree species using dynamic vegetation models. European Geosciences Union, General Assembly 2011, Vienna, Austria, April 3-8, 2011. Geophys. Res. Abstracts, Vol. 13, EGU2011-11169-1, 2011.
- Dury, M., Hambuckers, A., Warnant, P., Henrot, A., Favre, E., Ouberdous, M. & François, L., 2011. Assessing the impacts of present and future interannual climate variability on European ecosystems using a dynamic vegetation model. European Geosciences Union, General Assembly 2011, Vienna, Austria, April 3-8, 2011. Geophys. Res. Abstracts, Vol. 13, EGU2011-7979-1, 2011.
- Dury, M., Hambuckers, A., Warnant, P., Henrot, A., Favre, E., Ouberdous, M. & François L., 2010. Response of the European forests to extreme climatic events predicted for the 21st century: sensitivity to climate models and their variability. COST Action FP0903, International Conference, "Research, monitoring and modelling in the study of climate change and air pollution impacts on forest ecosystems". Roma, Italy, October 5-7, 2010.
- Dury, M., Warnant, P., François, L., Henrot, A., Favre, E. & Hambuckers, A., 2010. Response of the European ecosystems to climate change: a modelling approach for the 21st century. European Geosciences Union, General Assembly 2010, Vienna, Austria, May 2-7, 2010. Geophys. Res. Abstracts, Vol. 12, EGU2010-3429-3, 2010.
- Dury, M., Lehsten, D., Warnant, P., François, L., Dullinger, S., Polska, A., Hülber, K., Cheddadi, R., Laborde, H., Sykes, M.T., Hickler, T. & Singarayer, J., 2011. Simulating the Holocene re-colonization of Europe by tree species using dynamic vegetation models. XVIII International Union for Quaternary Research Congress, Bern, Switzerland, July 21-27, 2011. Dury M. *et al.* (2011). Modelling European tree species distribution change over the Holocene. 12<sup>th</sup> Annual NECLIME meeting, Bucarest, Romania, September 28-30, 2011.
- Dury, M., Dullinger, S., Polska, A., Hülber, K., Cheddadi, R., Laborde, H., Singarayer, J. & François, L., 2012. Modelling European tree species distribution change over the Holocene. BELQUA 2012 Annual Scientific Workshop, Brussels, Belgium, March 1, 2012.
- Dury, M., Hambuckers, A., Warnant, P., Jacquemin, I., Thuiller, W. & François, L., 2012. Modelling the risk of ecosystem disruption in Europe with a dynamic vegetation model. European Geosciences Union, General Assembly 2012, Vienna, Austria, April 22-27, 2012. Geophys. Res. Abstracts, Vol. 14, EGU2012-5548-2.

- Epp, L., Boessenkool, S., Bellemain, E., Willerslev, E., Taberlet, P., Coissac, E., Brochmann, C. Biodiversity in the dirt: reliable (mini)barcodes for DNA-based paleo-ecology. Fourth International Symposium on Biomolecular Archeology; 2010-09-07 - 2010-09-11. UiO
- Essl F, Smolik MG, Dullinger S, Kleinbauer I, Leitner M, Peterseil J, Stadler L-M & Vogl G 2008: Modelling the spread of invasive alien plants: integrating habitat distribution models and interacting particle systems. NEOBIOTA: Towards a Synthesis, 5th European Conference on Biological Invasions, Prague (Czech Republic), 23.-26. September 2008.
- François, L., Dury, M., Warnant, P., Henrot, A., Favre, E., Ouberdous, M. & Hambuckers, A., 2010. Response of the European forests to human perturbations: a modelling approach for the 21st century. In: IUFRO meeting, Antalya, Turkey, March 23-26, 2010.
- Gallien, L. & Thuiller, W., 2009. Do functional differences between native and invasive plant species drive community invasibility in the French Alps? In: GFOE - 39th annual conference of the Ecological Society of Germany, Switzerland and Austria, Bayreuth, Germany.
- Gallien, L. & Thuiller, W., 2010. A new hierarchical framework to model invasive species distribution. 9th meeting on vegetation databases - Vegetation Databases and Climate Change, Hamburg, Germany.
- Gugerli F 2012. The needle in the haystack: ecologically relevant alleles in non-model plants from the Alps Keynote presentation, Adaptive Landscape Genetics. Neuchâtel, February 7-8, 2012, pg. 11.
- Gugerli F 2011. Identifying genomic regions showing signals of selection: from outlier and environmental association studies to sequence characterization. Invited talk, MESSAGE workshop, Lausanne, December 9, 2011.
- Guisan, A., J. Pottier, L. Pellissier, A. Dubuis, C. Randin, R. Engler, M. Anzini, L. Maiorano, P. Vittoz. 2010. Global change impact on mountain plant diversity: modelling insights from the Swiss Alps. Invited talk at ESA Symposium, Pittsburgh, 1-6 August 2010, special session (OOS #5471) on "Global Change and Alpine Ecosystems: the Experience so far and Looking Ahead".
- Guisan, A., Pottier, J. Dubuis, A. Pellissier, L. Maiorano, L. Vittoz, P. Randin, C. 2010. Can we predict communities from the individual response of species to climate? Global Change and the World's Mountains, Perth, Scotland, UK, 26-30 September 2010
- Guisan A., Randin C., Engler R., Vittoz P., Pellissier L., Dubuis A., Pottier J., Maiorano L., Pearman P. 2010. Predicting current and future plant distribution and diversity in a mountain environment. Invited talk at the Seminars on Ecology and Evolution of the

Institute of Biodiversity and Ecosystem Dynamics (IBED) at the University of Amsterdam

- Guisan, A. Broennimann, O., & Petitpierre, B. 2009. Predicting biological invasions: can we project the niche in space? *Niche evolution: a unifying concept for systematics, ecology, paleontology and conservation biology*. Zurich, July 3-4, 2009
- Haberkorn, K., Fraedrich K., Henrot, A.-J., François, L., Warnant, P., Dury, M., Favre, E. & Munhoven, G, 2010. European vegetation evolution during the Holocene simulated by Planet Simulator and CARAIB. European Geosciences Union, General Assembly 2010, Vienna, Austria, May 2-7, 2010. Geophysical Research Abstracts, vol. 12, EGU2010-8204-1, 2010.
- Hazeu, G., Múcher, C.A., Kramer, H. and Kienast, F., 2008. Compilation and Assessment of Pan-European Land Cover Changes. In: Proceedings 28th EARSeL Symposium: Remote Sensing for a Changing Europe, Istanbul, Turkey on 2-7 June 2008. p. 145.
- Holderegger R. Adaptive genetic variation in a landscape context (invited talk). Biology seminar, University of Fribourg, Fribourg, 19 April, 2011.
- Holderegger R. Adaptive genetic variation in a landscape context (invited talk). Institute seminar, EAWAG Kastanienbaum, 30 May 2011.
- Homolová, L., Malenovský, Z., Clevers, J.G.P.W., Schaepman, M.E., 2011. Estimation of plant functional traits of alpine grassland ecosystem from airborne imaging spectroscopy data. 3<sup>rd</sup> Remote Sensing Symposium, Wageningen, The Netherlands, 8. September, 2011.
- Homolová, L., Malenovský, Z., Schaepman, M.E., Clevers, J.G.P.W., 2011. Estimation of plant biochemical traits of subalpine and alpine grasslands from airborne images of high spatial and spectral resolution. 9<sup>th</sup> Swiss Geoscience Meeting, Zurich, Switzerland, 11. – 13. November 2011.
- Hülber, S. & Dullinger, S. 2010: Patch configuration affects alpine plant distribution. 40th GFÖ Anniversary Meeting. Gießen, 31. August – 03. September 2010.
- Hülber, K., Dullinger, S., Bardy, K. & Grabherr, G. 2010: Abiotic vs. biotic constraints on alpine snowbed plant distribution. Abstracts of the 53rd Symposium of the International Association of Vegetation Science (IAVS 2010 – Ensenada, Baja California/Mexico, 18 – 23 April 2010): 36-37.
- Kleinbauer, I., Essl, F. & Dullinger, S. 2008: Assessing climate change induced invasion risk of protected areas: a case study with black locust in Austria. NEOBIOTA: Towards a Synthesis, 5th European Conference on Biological Invasions, Prague (Czech Republic), 23.-26. September 2008.

- Kooistra, L., Sanchez-Prieto, L., Bartholomeus, H., & Schaepman, M.E., 2007. Regional Mapping of Plant Functional Types in Reiver Floodplain Ecosystems using Airborne Imaging Spectroscopy Data. In M.E. Schaepman, S. Liang, N.E. Groot & M. Kneubühler (Eds.), 10th Intl. Symposium on Physical Measurements and Spectral Signatures in Remote Sensing (ISPMSRS) (pp. 291-296). Davos (CH): ISPRS.
- Kramer, H. & C.A. Múcher, 2008. HISLU60: A historical land use database for Europe from around 1960. In: Proceedings Historical GIS 2008, 21-22 Augustus 2008, University of Essex, UK, p. 36.
- Lavergne, S., Thuiller, W., Araujo, M.B., Roquet-Ruiz, C. & Debussche, M., 2009. Comment anticiper les conséquences des changements climatiques sur l'arbre de la vie? Le cas de la biodiversité végétale. In: Le Réveil du Dodo III - Journées francophones des Sciences de la Conservation de la Biodiversité, Montpellier, France.
- Lenoir, J., Gégout, J.-C., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann, N. E., Dullinger, S., Pauli, H., Willner, W., Grytnes, J.-A., Virtanen, R. & Svenning, J.-C. 2010: Pleistocene climate change legacies on current species diversity in European montane plant communities. Vegetation Databases and Climate Change, 9th international Meeting on Vegetation Databases. Hamburg, 24–26 February 2010.
- Lomba, A., Guisan, A., Vicente, J., Randin, C., Alves, P., Moreira, F. and Honrado, J., 2009. Regional and Local determinants of the distribution of endemic species: The case-study of *Narcissus cyclamineus* DC. ECCB2009, Conservation biology and beyond: from science to practice. Prague, Czech Republic, September 01-05.
- Maggini, R., Schröder, B., Zimmermann, N.E., Bolliger, J., Lehmann, A., Schmid, H. and N. Zbinden, 2009. Will Swiss birds fly away? INTECOL 2009: the 10th International Congress on Ecology. Ecology in a Changing Climate. Two Hemispheres - One Globe. Brisbane, Australia, August 16-21, 2009
- Malenovský, Z., Homolová, L., Hanuš, J., Kaplan, V., Dolanský, T., Yanez, L., 2008. Structural parametrization of Norway spruce trees in radiative transfer of high spatial resolution. Nordic Network on Physically based remote sensing of forests - PHYSENSE Workshop, University of Helsinki, Finland, 3.6. – 4.6.2008 (invited lecture).
- Malenovsky, Z., Zurita-Milla, R., Homolova, L., Martin, E., Schaepman, M.E., Gastellu-Etchegory, J.-P., Pokorny, R., & Clevers, J.G.P.W., 2007. Retrieval of Coniferous Canopy Chlorophyll Content from High Spatial Resolution Hyperspectral Data. In M.E. Schaepman, S. Liang, N.E. Groot & M. Kneubühler (Eds.), 10th Intl. Symposium on Physical Measurements and Spectral Signatures in Remote Sensing (ISPMSRS) (pp. 108-113). Davos (CH): ISPRS.
- Malenovský, Z., Zurita-Milla, R., Homolová, L., Martin, E., Schaepman, M.E., Gastellu-Etchegorry, J.-P., Clevers, J.G.P.W., Cudlín, P., 2007. Physically-based retrievals of

Norway spruce canopy variables from very high spatial resolution hyperspectral data. Sensing and Understanding our Planet, IEEE International Geoscience and Remote Sensing Symposium, Barcelona, Spain, 23-27 July 2007, Proceedings – CD ROM.

Meier, E.S. & Zimmermann, N.E. 2010: Projections of shifts in tree species distributions: assessing the influence of macro-climate and local processes. 40th GFÖ Anniversary Meeting. Gießen, 31. August – 03. September 2010.

Meier, E.S. & Zimmermann, N.E. 2010: Estimating shifts in species distributions: influence of macro-climate and small-scale processes. IUFRO Landscape Ecology International Conference. Bragança, Portugal, 21.-27. September, 2010.

Meier, E.S. & Zimmermann, N.E. 2009: Relationship between species interactions and macro-climatic patterns. 39th GFÖ Annual Conference. Bayreuth, 14.-18. September 2009.

Mücher, C.A., Hazeu, G., Swetnam, R., Pino J., Halada L., and Gerard F., 2008. Historic land cover changes at Natura 2000 sites and their associated landscapes across Europe. In: Proceedings 28th EARSeL Symposium: Remote Sensing for a Changing Europe, Istanbul, Turkey on 2-7 June 2008. p.146.

Munkemüller, T., De Bello, F., Meynard, C. N., Gravel, D., Mouillot, D., Lavergne, S., Mouquet, N. & Thuiller, W., 2010. Taxonomic, functional and phylogenetic diversity - perspective to reveal mechanisms of assembly rules. PHYLOCOM - La phylogénie des communautés, Montpellier.

Pearman, P.B., Maiorano, L., Cheddadi, R., Hajar, L., Edwards, M., Guisan, A., Singarayer, J. and Zimmermann, N.E., 2009. Niche dynamics of some European trees during the Holocene. Niche Evolution Conference, University of Zurich, Switzerland. 03-04 July.

Pellissier L., Bertrand F., Guisan A., Vittoz P. 2008. Plant traits covary with altitude in grassland and forest in the European Alps. Phil. Alp - Die Alpen aus der Sicht junger Forschender, September 9-10.

Perryman, A.H., Pintea, S., Stoica, A. and Dawson, T.P., 2009. Establishing farm spatial characteristics using Landsat and local data for North-West Romania for initialisation of an Agent-Based Land-Use Change Model. In: Proceedings of the Remote Sensing and Photogrammetry Society Conference: "New Dimensions in Earth Observation". University of Leicester, 8-11 September 2009. RSPSoc, Nottingham, UK, 1-4 (CD-ROM).

Petitpierre B., Kueffer C., Seipel T. & Guisan A. 2010. Will the risk of plant invasions into the European Alps increase with climate change? NEOBIOTA 2010 Conference. Biological Invasions in a Changing World - from Science to Management, 6th NEOBIOTA Conference, Copenhagen, Denmark, 14-17 September, 2010.

- Pio, D.V., Broennimann, O., Rebelo, A., Reeves, A., Barraclough, T.B., Thuiller, W., Guisan, A., Salamin, N., 2009. Future phylogenetic diversity patterns challenge conservation decision making. European Conservation Biology Congress, ECCB Prague, Czech Republic, September 1-5.
- Pio DV, Broennimann O, Rebelo A, Reeves A, Barraclough TB, Thuiller W, Guisan A, Salamin N., 2008. Phylogenetic diversity and species richness hotspots of the Cape Proteaceae, *Evolution* 2008, Minnesota, USA, June.
- Pio DV, Broennimann O, Engler R, Lelay G, Randin C, Vittoz P & Guisan A. 2008. Conservation applications of niche models. seminar for Dept. of Environmental Sciences Institute of Biogeography, University of Basel, Basel. 26 May, 2008
- Pottier, J. Dubuis, A. Pellissier, L. Maiorano, L. Vittoz, P., Randin, C. and Guisan, A. 2010. Can we predict plant assemblages from species responses to topoclimatic factors? International GMBA-DIVERSITAS conference "Functional significance of mountain biodiversity". Chandolin, Switzerland, July 27-30, 2010.
- Puşcaş M, Hurdu B-I, Cristea V, Coldea G, New localities in Romanian Carpathians for some alpine species with biogeographical importance, in: Ed. Universităţii „Alexandru Ioan Cuza” Iaşi (ISBN 978-973-703-501-1), *In situ* and *ex situ* Plant diversity conservation, VIIth Edition, Iaşi (Romania), 16-18 octombrie, 2009, pg. 48
- Randin, C.F., Dedieu, J.-P., Li. L., Dirnböck, T., Kleinbauer, I., Hubacher, R., Jonas, T., Zappa, M., Dullinger, S. 2010: Modelling the effect of changing snow cover regimes on alpine plant species distribution. Global Change and the World's Mountains. Perth, Scotland, 26 – 30 September 2010.
- Schaepman, M.E., 2008. Photon-Vegetation Interaction: Assessing the plant (non-) pigment system from space. Forschungszentrum Jülich SummerSchool, Konstanz, Germany (invited lecture).
- Schaepman, M.E., Malenovský, Z., 2007. Assessing the plant pigment and non-pigment system using imaging spectroscopy – Advances and challenges. Imaging and Integrating Heterogeneity of Plant Functions: Functional Biodiversity from Cells to the Biosphere, Leopoldina Meeting, Forschungszentrum Jülich (GER), July 30-31, 2007 (invited keynote lecture).
- Schaepman-Strub, G., Claverie, M., Painter, T., & Schaepman, M.E., 2007. Albedo Assessment and Evaluation of Arctic Siberian Tundra. In M.E. Schaepman, S. Liang, N.E. Groot & M. Kneubühler (Eds.), 10th Intl. Symposium on Physical Measurements and Spectral Signatures in Remote Sensing (ISPMSRS) (pp. 310-311). Davos (CH): ISPRS.



- Schorr, G., J. W. Kadereit & A. Guisan, 2009. Diversifikation alpiner Primeln – Synthese aus Populationsgenetik & modellierten Eiszeitrefugien. Meeting of Junge Systematiker (JuSys) of the Deutsche Botanische Gesellschaft, Mainz, Germany, March 14-17
- Schorr, G., J. W. Kadereit & A. Guisan, 2009. Diversifikation alpiner Primeln – Synthese aus Populationsgenetik & modellierten Eiszeitrefugien. Meeting of Junge Systematiker (JuSys) of the Deutsche Botanische Gesellschaft, Mainz, Germany, March 14-17
- Thuiller, W., 2008. Global change and consequences for biodiversity. Invited talk to European Commission representatives, 09 juillet 2008. Chamonix, France.
- Thuiller, W. Albert, CH., 2008. The suitability of habitat suitability models. EURECO-GFOE – 11th European Ecological Conference of the European Ecological Federation, September 15-19, 2008, Leipzig, Germany.
- Thuiller, W. How to model biodiversity response to global change - from correlative to spatially and temporally mechanistic models. 26-27 March. 2008. Invited talk. 3Worlds Kickoff meeting. Paris, France.
- Thuiller, W., 2008. How to model biodiversity response to global change - from correlative to spatially and temporally mechanistic models. In: Annual meeting of the 3Worlds project, Paris, France.
- Thuiller, W., 2009. Impacts des changements globaux sur la flore des Alpes Françaises: simulations et stratégies de conservations. In: Zone Atelier Alpes - Rencontre scientifiques - stakeholders, Grenoble.
- Thuiller, W., 2009. Recherche en écologie et parcs nationaux. Comité Scientifique de Parcs Nationaux de France, Montpellier, France.
- Thuiller, W., 2009. La réponse des oiseaux aux changements climatiques – observations et modélisations. Cycle Conference-débat LPO - Museum Grenoble.
- Thuiller, W., 2010. Changement climatique, biodiversité et parcs nationaux. Conseil Scientifique de Parcs Nationaux de France, Bourg d'Oisan.
- Thuiller, W., Lavergne, S., Roquet-Ruiz, C., Araujo, M.B. & Debussche, M., 2009. Preserving the Tree of Life - anticipating the effects of climate change on European biodiversity. In: Niche evolution - a unifying concept for systematics, ecology, paleontology and conservation biology, Zurich, Switzerland.
- Thuiller, W., Lavergne, S. & Roquet-Ruiz, C., 2010. Macro- evolution of bioclimatic niches, and phylogenetic pattern of species sensitivity to climate change. PHYLOCOM - La phylogénie des communautés, Montpellier.

- Thuiller W., Lavergne S., Roquet C., Boulangeat I. & Araujo M.B. (2010). Preserving the Tree of Life - anticipating the effects of climate change on , France.
- Thuiller W., Lavergne S., Roquet C., Araujo M.B. & Debussche M. (2010). Preserving the Tree of Life - anticipating the effects of climate change on European biodiversity. In: Journée Satellite JOBIM - Biodiversité et Bioinformatique Montpellier, France.
- Thuiller W., Lavergne S. & Roquet C. (2010). Preserving the Tree of Life - anticipating the effects of climate change on European biodiversity. In: 2nd International GMBA-DIVERSITAS conference "Functional significance of mountain biodiversity" Chandolin, Switzerland.
- Verrelst, J., Ač, A., Malenovský, Z., Hanuš, J., Marek, M.V., & Schaepman, M.E., 2007. Angular chlorophyll indices estimates derived from ground-based diurnal course data and multiangular CHRIS-PROBA data: two case studies. In I. Reusen (Ed.), Proc. 5th EARSeL Workshop on Imaging Spectroscopy (p. 15). Burges (B): EARSeL.
- Verrelst, J., Zurita-Milla, R., Kötz, B., Clevers, J.G.P.W., & Schaepman, M.E., 2007. Angular Unmixing of Photosynthetic and Non-Photosynthetic Vegetation within a Coniferous Forest using CHRIS-PROBA. In M.E. Schaepman, S. Liang, N.E. Groot & M. Kneubühler (Eds.), 10th Intl. Symposium on Physical Measurements and Spectral Signatures in Remote Sensing (ISPMSRS) (pp. 355-360). Davos (CH): ISPRS.
- Vicente, J., Araújo, M., Pereira, H., Metzger, M., Randin, C., Guisan, A. and Honrado, J. 2010. How vulnerable are mountain landscapes and their services to invasion by alien plant species? International GMBA-DIVERSITAS conference "Functional significance of mountain biodiversity". Chandolin, Switzerland, July 27-30, 2010
- Vicente, J., Randin, C., Metzger, M., Gonçalves, J., Honrado, J. and Guisan, A., 2009. Where will conflicts between alien and rare species occur after climate and land use change? A test with a novel combined approach. World Conference on Biological Invasions and Ecosystem Functioning – BIOLIEF, Porto, Portugal, September 27-30.
- Vicente, J., Randin, C., Lomba, A., Guisan, A. and Honrado, J., 2009. Forecasting impacts of climate and land-use changes on biodiversity: can we predict and prevent the loss of rare species in protected areas? 2<sup>nd</sup> European Congress of Conservation Biology - ECCB "Conservation biology and beyond: from science to practice", Prague, Czech Republic, September 1-5.
- Vicente, J., Guisan, A., Randin, C., Lomba, A. and Honrado, J., 2008. A hierarchical approach to forecasting impact of climate and land-use changes on rare species distribution. EURECO-GFOE. Leipzig, Germany, September 15-19.
- Vittoz, P., 2008. Exemples du monde vegetal. SWIFCOB 08 : La biodiversité dans la perspective des changements globaux. Bern, Switzerland, October 31.

- Willner, W., Dullinger, S. & Plutzer, C. 2010: Habitat distribution modelling and estimation of range filling of alpine species using a combination of phytosociological and floristic data. Vegetation Databases and Climate Change, 9th international Meeting on Vegetation Databases. Hamburg, 24–26 February 2010.
- de Witte, L.C., Stöcklin, J. 2010. Longevity of arctic-alpine clonal plants and ecosystem resilience. 2nd International GMBA & DIVERSITAS Conference "Functional significance of mountain biodiversity", Chandolin, Switzerland.
- de Witte, L.C., Stöcklin, J. 2010. Size structure and longevity of arctic-alpine clonal plants. 23th Annual Conference of the Plant Population Biology Section of the Ecological Society of Germany, Switzerland and Austria (GfÖ), Nijmegen, the Netherlands.
- de Witte, L.C., Stöcklin, J, Scherrer, D. 2011. Identifying adaptive genetic diversity in relation to environmental variation: association genetics in Brassicaceae. Poster abstract, Biology 11, Zürich. February 3–4, pg. 110
- Zulliger D, Gugerli F 2011. Identifying adaptive genetic diversity in relation to environmental variation: association genetics in Brassicaceae. Poster abstract, Biology 11. Zürich, February 3–4, 2011, pg. 110.
- Zulliger D, Schnyder E, Gugerli F 2011. Identifying adaptive genetic diversity in relation to environmental variation: association genetics in Brassicaceae. Poster presentation, European Ecological Federation. Avila, Spain.
- Zulliger D, Schnyder E, Rellstab C, Gugerli F 2012. Are adaptive loci transferable across genomes of related species? – Outlier and association analyses in five Alpine Brassicaceae species. Oral presentation, Adaptive Landscape Genetics. Neuchâtel, February 7–8, 2012, pg. 8–9.

## Press releases / Others

- Mücher, C.A., 2009. Geo-spatial modelling and monitoring of European landscapes and habitats using remote sensing and field surveys. PhD thesis Wageningen University, Wageningen, The Netherlands, ISBN 978-90-8585-453-1, 269 pp.
- Schaepman, M.E., Malenovský, Z., Mücher, C.E., Kooistra, L., & Thullier, W., 2007. Bridging Scaling Gaps for the Assessment of Biodiversity from Space. In The Full Picture (ed.) GEO Secretariat (Geneva, Switzerland), Tudor Rose, ISBN 978-92-990047-0-8, pp. 258-261 (book chapter).  
[http://www.earthobservations.org/documents/the\\_full\\_picture.pdf](http://www.earthobservations.org/documents/the_full_picture.pdf)

*Here is a list of selected media coverage for the full duration of EcoChange:*

## **2012**

23/04/2012 – etudiants.ch: Plantes envahissantes: le climat, un facteur déterminant

<http://www.etudiants.ch/cms/news-plantes-envahissantes-le-climat-un%20facteur-d%C3%A9terminant-2012-03-16>

28/03/2012 – The Nature Conservancy: Recent review article: Impacts of climate change on the future of biodiversity.

<http://conserveonline.org/workspaces/climateadaptation/blog/recent-review-article-impacts-of-climate-change-on/view.html>

25/03/2012 – Züricher Sonntagszeitung: Stirb langsam, Pflänzchen.

<http://www.sonntagszeitung.ch/wissen/artikel-detailseite/?newsid=211442>

16/03/2012 – Science Daily: Invasive Plants: Climate is a determining factor

<http://www.sciencedaily.com/releases/2012/03/120316093852.htm>

16/03/2012 – 24 heures: Les plantes invasives influencées par le climat.

[http://www.unil.ch/webdav/site/ecospat/shared/PDF\\_site/24heures\\_15.03.2012.pdf](http://www.unil.ch/webdav/site/ecospat/shared/PDF_site/24heures_15.03.2012.pdf)

16/03/2012 - Le Temps: Climat et plantes invasives

[http://www.unil.ch/webdav/site/ecospat/shared/PDF\\_site/LeTemps\\_15.03.2012.pdf](http://www.unil.ch/webdav/site/ecospat/shared/PDF_site/LeTemps_15.03.2012.pdf)

15/03/2012 - ATS: Plantes envahissantes: leur prolifération dépend de climat

[http://www.unil.ch/webdav/site/ecospat/shared/PDF\\_site/ats\\_15.03.2012.pdf](http://www.unil.ch/webdav/site/ecospat/shared/PDF_site/ats_15.03.2012.pdf)

15/03/2012 - National Center of Competence in Research (NCCR) Plant Survival: Invasive Pflanzen: Das Klima ist ein entscheidender Faktor

<https://www2.unine.ch/nccr/page-25347.html>

15/03/2012 – Radio Télévision Neuchâtel: Le climat influence les plantes envahissantes

<http://www.rtn.ch/rtn/Actualites/Regionale/20120316-Le-climat-influence-les-plantes-envahissantes.html>

27/02/2012 - Migros Magazine: Quel impact aura le réchauffement climatique sur la flore?

<http://www.unil.ch/ecospat/page47600.html#2>

24/02/2012 – Universität Basel, UniNews: Uralt und widerstandsfähig: Wie Gebirgspflanzen dem Klimawandel trotzen

[http://www.unibas.ch/index.cfm?uuid=AE7D4DCEDA95BF7981FC1ED2EE6408AB&type=search&show\\_long=1](http://www.unibas.ch/index.cfm?uuid=AE7D4DCEDA95BF7981FC1ED2EE6408AB&type=search&show_long=1)

24/01/2012 – The Weed's News: Impacts of climate change on the future of biodiversity.

<http://invasivespecies.org.au/traction/permalink/WeedsNews2809>

## **2011**

12/02/2011 - 24 heures: Plantes alpines en péril dans toutes les montagnes d'Europe

<http://www.unil.ch/ecospat/page83265.html#2>

11/02/2011 - RSR1: Plantes alpines en péril - Interview d'Antoine Guisan

<http://www.unil.ch/ecospat/page83265.html#3>

11/02/2011 - My Science: Danger sur les plantes alpines

<http://www.unil.ch/ecospat/page83265.html#4>

link to article: [http://www.myscience.ch/en/wire/danger\\_sur\\_les\\_plantes\\_alpines-2011-unil](http://www.myscience.ch/en/wire/danger_sur_les_plantes_alpines-2011-unil)

25/01/2011 - Nature Climate Change: Mountain plants in peril

<http://www.unil.ch/ecospat/page83265.html#5>

link to article: <http://www.nature.com/nclimate/2011/110125/full/nclimate1035.html>

## **2010**

10/2010 - AlpArc Magazine: Past and future developments in plant populations in the alps linked to climate change

<http://www.unil.ch/ecospat/page74167.html#1>

01/2010 - ScienceWatch Interview of Prof. Antoine Guisan

<http://www.unil.ch/ecospat/page74167.html#4>

## **2009**

16/10/2009 - Christophe Randin wins the best talk award at the 2nd DIVERSITAS Open Science Conference, Cape Town

<http://www.unil.ch/ecospat/page70644.html#3>

15/09/2009 - TSR1: Couleurs locales, "Les espions du climat"

<http://www.unil.ch/ecospat/page70644.html#5>

## **2008**

24/04/2008 - L'express: Changements climatiques: Le passé dessine la forêt de demain

<http://www.unil.ch/ecospat/page54552.html#4>

## **2007**

18/08/2007 - TSR1: Changements climatiques et flore alpine: interview des Dr. P. Vittoz et C. Randin

<http://www.unil.ch/ecospat/page47603.html#5>

03/02/2007 - RSR1, Atlas: 4ème rapport du GIEC sur le climat

<http://www.unil.ch/ecospat/page47603.html#8>

## **Books**

Peterson, A.T.P., Soberón, J., Pearson, R.G., Anderson, R.P., Martínez-Meyer, E., Nakamura, M. & Araújo, M.B. 2010. Ecological Niches and Geographical Distributions: A Modeling Perspective. Monographs in Population Biology. Princeton University Press.  
In press