

EcoChange Publication list

as of January 2010

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Peer-reviewed journal publications

- 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., 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*.
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- 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.
- 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].
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- 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.
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- Engler R., Randin C.F., Vittoz P., Czáká 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.
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- 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.
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- Thuiller, W., Lafourcade, B., Engler, R., & Araújo, M.B. BIOMOD – A platform for ensemble forecasting of species distributions. *Ecography*. In press.
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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.
- 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.
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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.
- 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).
- 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.
- 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.
- 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.
- 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.
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- 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.

- Universității „Alexandru Ioan Cuza” Iași (ISBN 978-973-703-501-1), *In situ* and *ex situ* Plant diversity conservation, VIIIth Edition. Conference 16-18 octombrie 2009 in Iași (Romania), pg. 10.
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- 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.
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- 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
- 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.
- 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.
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