

## Les publications 2017 de la ZAA

Crouzat, E., Arpin, I., Brunet, L., Colloff, M.J., Turkebloom, F. & Lavorel, S. (2017) Researchers must be aware of their roles at the interface of ecosystem services science and policy. *Ambio*, 47, 97-105.

Ibanez, S., Millery, A., D'Ottavio, M., Guihlot, R., Vesin, E. Phosphorus-rich grasshoppers consume plants high in nitrogen and phosphorus. *Ecological Entomology* (2017), DOI: 10.1111/een.12425

Kohler, M., Devaux, C., Grigulis, K., Leitinger, G., Lavorel, S. & Tappeiner, U. (2017) Using the realised and potential ranges of ecosystem services as indicators of resistance and resilience. *Ecological Indicators*, 73, 118-127.

Fuhr, M., Cordonnier, T., Courbaud, B., Kunstler, G., Mermin, E., Riond, C., Tardif, P. (2017). Long-term tree inventory data from mountain forest plots in France. *Ecology* 98 (4), 1180. DOI: 10.1002/ecy.1759

Nettier, B., Dobremez, L., Lavorel, S. & Brunschwig, G. (2017) Resilience as a framework for analysing the adaptation of mountain summer pasture systems to climate change. *Ecology & Society*, 22, 25.

Gallou A, Baillet Y, Ficetola GF, Després L. Elevational gradient and human effects on butterfly species richness in the French Alps. *Ecology and evolution*. 2017,7(11):3672-81.

Carlson, B. Z., M. C. Corona, C. Dentant, R. Bonet, W. Thuiller, and P. Choler. 2017. Observed long-term greening of alpine vegetation-a case study in the French Alps. *Environmental Research Letters* 12 (11).

Binet M.-N., van Tuinen D., Souard F., Sage L., Perigon S., Gallet C., Redecker D., Legay N., Lavorel S., Mouhamadou, B. (2017) Responses of above- and belowground fungal symbiots to cessation of mowing in a subalpine grassland. *Fungal Ecology*, 25, 14-21.

Spake, R., Lasseur, R., Crouzat, E., Bullock, J.M., Lavorel, S., Parks, K., Schaafsma, M., Bennett, E.M., Maes, J., Mulligan, M., Mouchet, M., Peterson, G., Schulp, C.J.E., Thuiller, W., Turner, M.G., Verburg, P.H. & Eigenbrod, F. (2017) Unpacking ecosystem service bundles: towards predictive mapping of synergies and trade-offs between ecosystem services. *Global Environmental Change*, 47, 37-50.

Barros, C., Guéguen, M., Douzet, R., Carboni, M., Boulangeat, I., Zimmermann, N.E., Münkemüller, T., and Thuiller, W. (2017) Extreme climate events counteract the effects of climate and land-use changes on Alpine treelines. *Journal of Applied Ecology*, 54, 39-50

Chalmandrier, L., Münkemüller, T., Colace, M.-P., Renaud, J., Aubert, S., Carlson, B.Z., Clément, J.-C., Legay, N., Pellet, G., Saillard, A., Lavergne, S. & Thuiller, W. Spatial scale and intraspecific trait variability mediate assembly rules in alpine grasslands. *Journal of Ecology*, 105, 277-287

Darnhofer, I., Schermer, M., Steinbacher, M., Gabillet, M. & Daugstad, K. (2017) Preserving permanent mountain grasslands in Europe: Why are promising approaches not applied more widely. *Land Use Policy*, 68, 306-315.

Smycka, J., Roquet, C., Renaud, J., Thuiller, W., Zimmermann, N.E. & Lavergne, S. Disentangling drivers of plant endemism and diversification in the Alps - a phylogenetic and spatially explicit approach. *Perspectives in Plant Ecology, Evolution and Systematics*, 28, 19-27

Lavorel, S., Grigulis, K., Leitinger, G., Schirpke, U., Kohler, M. & Tappeiner, U. (2017) Historical trajectories in land use pattern and grassland ecosystem services in two contrasted alpine landscapes. *Regional Environmental Change*, 17, 2251-2264.

Dupire, S., Curt, T., Bigot, S. (2017). Spatio-temporal trends in fire weather in the French Alps. *Science of the Total Environment*, 595, 801-817. DOI:10.1016/j.scitotenv.2017.04.027

Vannier, C., Byczek, C., Crouzat, E., Lasseur, R., Cordonnier, T., Longaretti, P.-Y. & Lavorel, S. (2017) Cartographier les Services Écosystémiques : quelles données, quels modèles, quelles échelles? Exemple autour du bassin de vie de Grenoble. *Environnement Urbain / Urban Environment*, 11, URL : <http://eue.revues.org/1629>.