

Natural areas- CEREEP-Ecotron IleDeFrance

Specifications

The CEREEP-Ecotron IleDeFrance has 69 ha of natural areas, composed of 45 ha of forest, 13 ha of grassland and 11 ha of shrubs available for experimentation or observation, short or long-term. For example, we currently have a long-term on blue and great tits with nest boxes installed all around the forest and a NutNet experimental site on the grassland.

Figure 1. Photographs of projects on the natural areas. Top, experimental set up for a plant-pollinator study on the grassland. Bottom, left, tit chick from a nestbox and, right, Nutnet's plots study. © CNRS UMS 3194.



References and key publications

1. Flacher, F., **Hansart, A.**, Motard, E., Fofana, A. M., Vincent, O., Geslin, B., Dajoz, I. and X. Raynaud (2017) Does competition with wind-pollinated species alter *Echium plantagineum*'s attractiveness to a common pollinator *Bombus terrestris*?. Ecological Entomology **42**(5): 617-628.
2. Geslin, B., Baude, M., Mallard, F. and I. Dajoz (2014) Effect of local spatial plant distribution and conspecific density on bumble bee foraging behaviour. Ecological Entomology **39**: 334–342.
3. Geslin, B., Gauzens, B., Thébault, E. and I. Dajoz (2013) Plant Pollinator Networks along a Gradient of Urbanisation. PloS One **8** (5). Number: e63421. doi: 10.1371/journal.pone.0063421.
4. Geslin, B., Le Féon, V., Folschweiller, M., Flacher, F., Carmignac, D., Motard, E., **Perret, S.**, and I. Dajoz (2016). The proportion of impervious surfaces at the landscape scale structures wild bee assemblages in a densely populated region. Ecology and Evolution 6(18): 6599-6615.
5. Vaugoyeau, M., **Decenciere, B.**, **Perret, S.**, Karadas, F., Meylan, S. and C. Biard (2015) Is oxidative status influenced by dietary carotenoid and physical activity after moult in the great tit (*Parus major*)? Journal of Experimental Biology **218** (13): 2106-2115.