

TITLE

Urban Wild and Domesticated Pollinators, What Do They Face?

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ABSTRACT

Natureparif is a biodiversity agency that publish regularly states of biodiversity in relation with citizen practices in Paris region. They are based on monitoring programs from the National Museum of Natural History using participation of general public and yielded indicators that can inform decision on public policy.

Since several decades the trends of pollinators is alarming in anthropogenic areas. Here, we assess the effect of private garden management on butterflies and bumblebees in more than 3000 gardens in France and show that the correlation between butterfly and bumblebee abundance and use of pesticides is significant but the direction of the correlation depends on the type of product (insecticide, herbicide, fungicide...).

We also studied apiculture practices on bee's healthiness using a sample of seven hundred apiaries located in the Paris region.

These results permitted us to infer some recommendations to gardeners and beekeepers amateurs in order to maintain and enhance pollinator's community in cities.