NATIONAL RECORDS OF 3000 EUROPEAN BEE AND HOVERFLY SPECIES: A CONTRIBUTION TO POLLINATOR CONSERVATION

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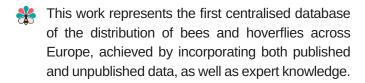
Background

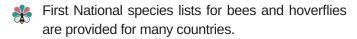
Bees and hoverflies are among the most important pollinator groups, and they are threatened by multiple factors, such as pesticides, habitat loss and climate change. There is an urgent need to implement efficient conservation actions to protect their populations, but in order to protect them efficiently we first need to know where they are. So far, knowledge of European bee and hoverfly species distribution at both the national and the continental levels is still fragmented in multiple publications and/or difficult to access.

Objective

The study aims to provide an updated list of more than 3000 European bee and hoverfly species, including their distribution across the different countries in Europe at the national level as present, absent, regionally extinct, possibly extinct or non-native.

Key Messages

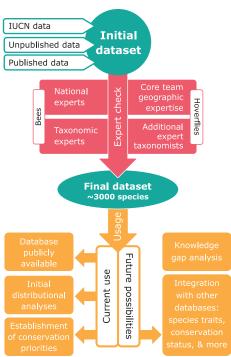




For Europe, 2,138 species of bees and 913 species of hoverflies have been recorded. The countries with the highest number of species were Greece, with 1187 species of bees, and France, with 566 species of hoverflies.

For bees, the most species-rich countries were present in the Mediterranean basin, while for hover-flies, countries with Alpine habitats hosted the highest number of species.

In total, 807 species of bees and 199 species of hoverflies were recorded in only one or two countries, mostly the countries richest in species. This result is important to assign conservation priorities across Europe.



Graphical representation of the workflow of the study, with potential usage of the

Source

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