

ESM 1: Guidelines for future research.

- Start with a smaller scale; it is better to focus intensively on one region only instead of trying to analyze data from all parts of the country.
- Reinforce field assessment, on-the-ground study of the presence/absence of the two species, and the estimation of their populations.
- Get more citizen scientists involved, especially when it comes to bird-counting, following a standardize sampling.
- Include other factors in your data collection (hunting status, surrounding environment, forest surface area, urbanization, etc.).
- Investigate the feasibility and impact of introducing Eurasian Hoopoes to areas they are no longer present in, or reinforcing their population as a PPM control strategy.
- If provided with sufficient funding, integrate non-invasive Artificial Intelligence techniques (Trap-cams to monitor PPM nests, GPS tracking of the Eurasian Hoopoe, etc.) would allow optimal results.

