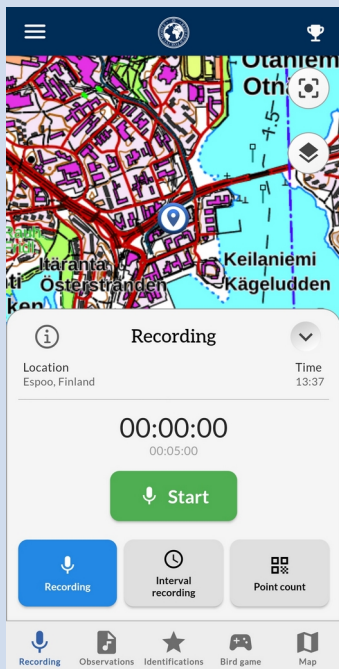




# Citizen science with the Muuttolintujen Kevät app

## or how to collect millions of bird recordings for research use



### Bird song recognition phone app

- ✓ All birds observed in Finland
- ✓ 3 types of recordings
- ✓ Own observation history
- ✓ Global observation map
- ✓ Bird game and Trophies

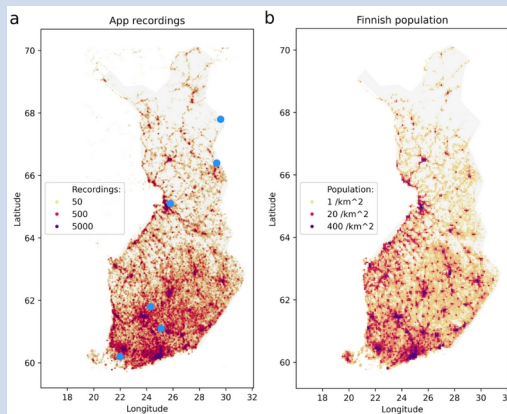


**New version available now**

### Citizen science for data collection

- ➔ Raise nature awareness among citizens
- ➔ User engagement through trophies
- ➔ Game for education and better data

	Recordings:	Unique users:
2023	3 356 501	144 327
2024	5 623 412 +	180 053 +



### Research project on biodiversity monitoring

- ➔ Follow bird migration and its response to environmental changes
- ➔ Improve bird recognition models
- ➔ Develop AI models for bird migration prediction

#### A Mobile Application-Based Citizen Science Product to Compile Bird Observations (2024)

Nokelainen, O., Lauha, P., Andrejef, S., Hänninen, J., Inkinen, J., Kallio, A., Lehto, H. J., Mutanen, M., Paavola, R., Schiestl-Aalto, P., Somervuo, P., Sundell, J., Talaskivi, J., Vainio, M., Vancraeynest, A., Lehtio, A., & Ovaskainen, O. (2024). A Mobile Application-Based Citizen Science Product to Compile Bird Observations. *Citizen Science: Theory and Practice*, 9(1), Article 24. <https://doi.org/10.5334/cstp.710>



Finlands Akademi  
Research Council of Finland



Funded by the  
European Union



#1 in the app stores  
in Finland for Education

Available in Apple and Play  
stores since spring 2023



JYVÄSKYLÄN YLIOPISTO  
UNIVERSITY OF JYVÄSKYLÄ



HELSINGIN YLIOPISTO

