Summary

„A Telemetric monitoring of the feral pigeon (*Columba livia* f. *domestica*) population at the Karlovo náměstí square in Prague“

This thesis deals with both the monitoring of numbers in the pigeon (*Columba livia* f. *domestica*, "the Pigeon") sites in question and also the spatial definition of the daily activities of individual specimens using a telemetric system.

Previous researches gathered data on population density and food routes usually obtained by observation. Therefore we believe it's important to supplement this data with spatial movement maps of individuals that cannot be obtained by observation but the telemetry system allows us to do so in certain time period.

The data obtained from GPS trackers will be processed into daily spatial activity maps of the specimen. These data will hopefully help us to gain insight into the life of not just specific individuals, but will also allow us to derive spatial activity of the entire population living in the locality in question.

The results will be compared with the results from the previous pigeon count. This knowledge can be useful to population control, or serve in other studies.

Keywords: pigeon, abundance, telemetry