

GPS-GSM LOCATIONS

1 GPS-GSM DATA PRE-FILTERING

Species-specific outlier removal, burst refinement and flight data filtering

GPS-GSM LOCATIONS PREFILTERED

2 GPS-GSM DATA FILTERING

Filtering by year, seasonal period, and time of day, followed by aggregation to 1-hour frequency

GPS-GSM LOCATIONS FILTERED

3 HOME RANGE & RANDOM POINTS

Generation of 99% home ranges using KDE, including observed point filtering and 10× random point generation

PRESENCE & RANDOM POINTS

4 SPATIAL JOIN

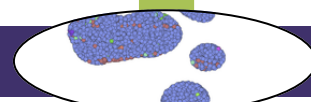
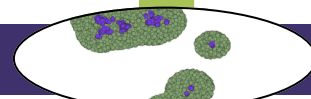
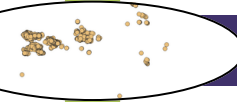
Spatial join with the corresponding land use and CAP measures' uptake layer, followed by collapsing of duplicates

PRESENCE & RANDOM POINTS + UPTAKE AND LAND USE

5 MODEL CONTRUCTION

Fitting of GLMM logistic models with CAP measures as explanatory and land use as covariate for a before-after analysis

CAP MEASURES BEFORE-AFTER SELECTION



CAP MEASURES

preprocessing

SIGPAC LAND USE