

Groupecies	decades	All_Ring_Lat	BW_Ring_Lat	All_Ring_Lon	BW_Ring_Lon	All_Rec_Lat	BW_Rec_Lat	Corr_Av	Corr_Lat-Slope
SG Fulmarus-glacialis	1930-2020	-0.016	0.023	0.091	-0.031	-0.030	-0.005	60.802	-0.104
SG Sula-bassana	1930-2020	-0.025	0.004	0.044 ***	0.072 **	0.113 *	0.113 *	34.651	0.129
SG Phalacrocorax-carbo	1920-2020	0.033 *	0.033	0.186 ***	0.202 ***	-0.032	-0.032	45.481	-0.087 *
SG Phalacrocorax-aristoteli	1920-2020	-0.017	-0.021	0.043	0.024	-0.010	-0.010	55.752	0.010
WF Bubulcus-ibis	1960-2020	0.027	0.083 *	0.055	0.125	0.060 **	0.060 **	36.569	0.017
WF Egretta-garzetta	1950-2020	0.079	0.180 *	0.001	0.085	0.157	0.157	28.568	0.203
WF Ardea-cinerea	1930-2020	0.014	-0.007	0.001	0.036	0.005	0.005	46.791	0.032
WF Ardea-purpurea	1930-2020	-0.105 **	-0.204	-0.164 **	-0.135	-0.325 *	-0.325 *	19.148	-0.501
WF Ciconia-ciconia	1920-2020	-0.058 ***	-0.068 ***	-0.005	-0.029	0.591 ***	0.593 ***	-2.033	0.209 **
WF Platalea-leucorodia	1930-2020	-0.006	0.028	-0.074	-0.130	0.125	0.130 *	27.360	-0.067
WF Phoenicopterus-ruber	1990-2020	0.097 *	0.082 **	0.166 *	0.150 **	0.016	0.016	33.099	0.049
WF Cygnus-olor	1950-2020	-0.076	0.031	-0.108	-0.114	0.009	0.031	50.050	0.067 *
WF Cygnus-cygnus	1980-2020	-0.238	-0.167 **	0.697 *	0.375	-0.082	-0.073	61.210	-0.095
WF Anser-fabalis	1960-2020	0.010	-0.030	-0.360	-0.263	0.012	0.054 ***	60.167	-0.090
WF Anser-brachyrhynchus	1960-2020	0.034	0.018	0.042	-0.001	0.012 *	0.013 *	57.149	-0.058
WF Anser-albifrons	1960-2020	-0.203	-0.139 *	-0.558	-0.285	0.017	0.004	65.338	-0.029
WF Anser-anser	1940-2020	-0.045	-0.066 *	0.061	0.091	0.082	0.080	44.161	0.104 **
WF Branta-canadensis	1960-2020	-0.032	-0.028	0.078 *	0.050	-0.020	-0.020	52.502	-0.027
WF Branta-leucopsis	1960-2020	-0.356 ***	-0.308 ***	-0.045	-0.307 *	-0.030 *	-0.019	64.699	-0.074
WF Tadorna-tadorna	1930-2020	-0.014	-0.017 *	-0.011	0.007	0.001	-0.002	48.393	0.024
WF Anas-penelope	1930-2020	0.025	0.050	0.250 **	0.520 **	-0.029	-0.040 *	59.961	0.158 *
WF Anas-strepera	1950-2020	-0.034	-0.098	0.018	0.196	0.003	0.005	42.481	0.011
WF Anas-crecca	1930-2020	0.019	0.041 *	0.116	0.139	-0.021	-0.032 *	53.823	0.157 *
WF Anas-platyrhynchos	1920-2020	-0.038 *	-0.028 **	-0.008	-0.041 *	-0.022 *	-0.020 *	50.911	-0.023
WF Anas-acuta	1920-2020	-0.004	-0.021	0.038	0.203	-0.084 *	-0.099 *	54.150	0.075
WF Anas-clypeata	1930-2020	0.004	-0.035	0.058	-0.035	-0.018	-0.022	33.412	-0.336
WF Aythya-ferina	1940-2020	-0.104 **	-0.144 **	-0.164 *	-0.087	-0.053 *	-0.054 *	47.138	-0.023
WF Aythya-fuligula	1930-2020	-0.062 *	-0.092 *	0.148	0.222	-0.032 ***	-0.030 ***	56.971	0.107
WF Somateria-mollissima	1930-2020	0.006	0.004	-0.015	0.078	-0.008	-0.008	58.980	0.033
WF Bucephala-clangula	1940-2020	0.012	-0.009	0.031	0.105 **	0.037	0.038	53.942	-0.019
RO Mergus-mergamser	1930-2020	-0.065 *	0.063	-0.082	0.039	0.064	0.035	59.715	0.262
RO Milvus-migrans	1940-2020	-0.068	-0.057	-0.122 *	-0.097	-0.082	0.014	13.416	0.276
RO Milvus-milvus	1930-2020	-0.008	0.050 **	-0.077 **	-0.074	0.129 ***	0.129 ***	39.842	0.056 **
RO Haliaeetus-albicilla	1930-2020	0.043	-0.061	-0.064	-0.031	0.028	0.029	60.450	-0.213 *
RO Circus-aeruginosus	1930-2020	-0.022 ***	-0.022	0.026	-0.005	-0.149 **	-0.150 **	26.553	-0.503 ***
RO Circus-cyaneus	1930-2020	-0.009	-0.015	-0.092 **	-0.107 *	0.012	0.014	48.648	-0.184
RO Accipiter-gentilis	1930-2020	0.062 **	0.081 **	0.062	0.074 *	0.077 ***	0.077 ***	56.143	0.074 **
RO Accipiter-nisus	1930-2020	-0.003	-0.004	-0.008	-0.001	0.014	0.015	48.535	0.027
RO Buteo-buteo	1930-2020	-0.019	-0.004	-0.074 **	-0.066 **	0.023 *	0.022 *	38.816	-0.153
RO Buteo-lagopus	1940-2020	0.023	0.022	0.076	0.072	0.028	0.028	50.811	-0.001
RO Aquila-chrysaetos	1940-2020	0.068	0.114 *	0.081 *	0.091	0.046	0.046	52.925	0.111
RO Pandion-haliaeetus	1930-2020	0.015	-0.044	0.025	-0.087 *	0.043	0.043	11.621	-0.077
RO Falco-tinnunculus	1930-2020	0.008	-0.008	0.012	-0.006	0.004	0.004	41.157	-0.102 **
RO Falco-columbarius	1920-2020	0.017	-0.022	0.003	-0.066	0.014	0.014	52.623	0.163 **
RO Falco-peregrinus	1920-2020	-0.018 *	-0.019	-0.071	-0.159	0.021	0.019	47.220	0.020
WF Gallinula-chloropus	1920-2020	-0.023	-0.009	0.060	0.028	-0.028	-0.008	45.644	-0.044
WF Fulica-atra	1930-2020	-0.042	-0.018	-0.151 ***	-0.130 ***	0.011	0.028	42.762	-0.026
WD Haematopus-ostralegus	1920-2020	0.006	0.003	0.000	0.001	0.014	0.019 *	54.721	0.101 **
WD Recurvirostra-avosetta	1920-2020	-0.064 **	-0.058 ***	-0.050	-0.057 *	0.013	0.010	38.405	-0.053
WD Charadrius-hiaticula	1930-2020	0.011	0.012	-0.007	-0.016	-0.028	-0.028	38.020	-0.203
WD Pluvialis-apricaria	1940-2020	-0.044 **	0.004	0.121	0.203	-0.077	-0.050	49.503	0.054
WD Vanellus-vanellus	1920-2020	0.005	0.000	0.061 **	0.079 **	-0.009	-0.008	42.645	0.044 *
WD Calidris-canutus	1960-2020	-0.045	-0.341 *	-0.343	1.206 **	-0.066	-0.010	60.622	-0.302
WD Calidris-alpina	1930-2020	-0.056	-0.013	0.025	-0.013	0.005	0.013	45.628	-0.161
WD Philomachus-pugnax	1930-2020	0.019	0.060 *	0.044	0.070	0.093	0.110	23.989	-0.388 *
WD Gallinago-gallinago	1930-2020	-0.081 ***	-0.033	0.245 ***	0.215 *	-0.043	-0.046	47.613	-0.024
WD Scolopax-rusticola	1930-2020	-0.011	0.023	0.164 **	0.191 **	-0.044	-0.043 *	47.711	0.085
WD Limosa-limosa	1930-2020	0.021	0.067 *	-0.074 **	-0.261 *	0.142	0.118	21.578	0.036
WD Numenius-arquata	1930-2020	0.052 **	0.026	0.103 **	0.099 *	-0.030	-0.025	52.945	0.028
WD Tringa-totanus	1930-2020	-0.006	0.049 *	-0.038	-0.125	0.016	0.022	46.708	0.152
SG Stercorarius-skua	1940-2020	-0.003	0.022	0.097 *	0.092	0.119	0.119	42.383	0.422
SG Larus-melanocephalus	1950-2020	0.045	0.028	-0.353 **	-0.404 *	0.089	0.092	37.370	0.029
SG Larus-ridibundus	1920-2020	0.026	0.043 *	-0.018	0.005	0.046 ***	0.050 ***	47.273	0.161 ***
SG Larus-canus	1920-2020	0.012 *	0.046 ***	0.001	0.097 ***	0.029 ***	0.029 ***	54.730	0.131 ***
SG Larus-fuscus	1920-2020	-0.002	-0.015	0.035	-0.006	-0.028	-0.009	26.146	-0.107
SG Larus-argentatus	1920-2020	0.022 *	0.005	0.079 **	0.028	0.000	-0.001	56.030	-0.023
SG Larus-marinus	1930-2020	-0.024 *	-0.034 **	-0.026	-0.069	-0.016	-0.017	55.268	0.004
SG Rissa-tridactyla	1930-2020	0.031 *	0.065 **	0.040	0.059	0.042	0.039	51.175	0.240
SG Sterna-caspia	1940-2020	0.011	-0.008	0.011	0.011	-0.014	-0.014	17.519	-0.162

Groupecies	decades	All_Ring_Lat	BW_Ring_Lat	All_Ring_Lon	BW_Ring_Lon	All_Rec_Lat	BW_Rec_Lat	Corr_Av	Corr_Lat-Slope
SG Sterna-sandvicensis	1920-2020	-0.006	-0.028	-0.005	-0.028	0.075	0.075	0.226	0.182 *
SG Sterna-dougallii	1950-2020	0.018	-0.014	-0.042 **	0.006	0.057	0.057		
SG Sterna-hirundo	1920-2020	-0.005	-0.028	0.005	-0.041	0.098	0.098	-16.002	0.126
SG Sterna-paradisaea	1930-2020	0.020 *	0.060 **	-0.026	0.017	0.047	0.024	-29.627	0.066
SG Uria-aalge	1930-2020	0.031	0.017	-0.060 *	-0.087 *	-0.037	-0.037	58.672	-0.092 *
SG Uria-lomvia	1970-2020	-0.091	-0.106	-0.061	-0.204	0.009	0.009	59.454	0.157
SG Alca-torda	1930-2020	0.031	0.016	0.040	-0.113	-0.015	-0.015	45.769	0.004
SG Cephus-grylle	1930-2020	-0.012	-0.005	-0.030	-0.026	0.013	0.013	55.416	-0.030
SG Fratercula-arctica	1930-2020	-0.006	0.027	-0.057	-0.009	-0.061	-0.061	49.370	0.066
NP Columba-oenas	1930-2020	0.018	0.007	0.044 *	0.060	-0.025	-0.028	43.101	0.022
NP Columba-palumbus	1920-2020	-0.020	-0.024 *	0.009	-0.024	-0.029 *	-0.024 *	45.102	-0.037
NP Streptopelia-decaocto	1960-2020	0.015	0.055	-0.112 **	-0.200	0.011 *	0.056	50.505	0.022
RO Tyto-alba	1930-2020	0.016	0.015	-0.047 **	-0.044 **	0.015	0.015	47.404	-0.017
RO Glaucidium-passerinum	1960-2020	0.030	0.010	0.178 **	0.126 *	0.014	0.014		
RO Athene-noctua	1930-2020	0.009	0.006	0.010	0.008	0.008	0.007	47.549	-0.066 **
RO Strix-aluco	1930-2020	0.022	0.040	0.001	0.043	0.047	0.040	57.055	-0.012
RO Asio-otus	1930-2020	0.014	0.013	-0.009	-0.018	0.020 *	0.020	50.907	-0.034
RO Asio-flammeus	1930-2020	0.043	0.022	0.117 **	0.152	-0.183	-0.183	43.805	-0.186
NP Alcedo-atthis	1930-2020	0.007	0.000	0.036	-0.026	-0.001	-0.002	45.406	-0.022
NP Dendrocopos-major	1930-2020	-0.039	-0.030	-0.109 *	-0.120 *	-0.026	-0.029	52.180	-0.050
PS Hirundo-rustica	1920-2020	-0.013 **	-0.005	0.056	0.035	0.232	0.232	-12.195	-0.068
PS Anthus-pratensis	1930-2020	0.018	0.009	-0.008	0.165	0.025	0.005	40.766	0.245
PS Motacilla-cinerea	1940-2020	0.062 *	0.023	-0.071 *	-0.153 **	0.096 *	0.094 **	40.631	0.169
PS Motacilla-alba	1920-2020	-0.016	-0.008	0.011	0.042	0.033	0.054	31.492	0.068
PS Cinclus-cinclus	1920-2020	0.011	0.101 *	0.062	0.030	0.043	0.074 *	57.433	-0.036
PS Troglodytes-troglodytes	1930-2020	0.005	0.000	-0.052	-0.033	-0.002	-0.002	48.900	0.052
PS Prunella-modularis	1930-2020	-0.016 **	0.004	-0.002	-0.012	0.027	0.014	48.062	0.048
PS Erithacus-rubecula	1930-2020	0.005	0.003	-0.003	0.004	0.015	0.000	45.281	0.011
PS Phoenicurus-ochruros	1930-2020	0.000	-0.005	0.023	-0.053	0.002	-0.022	35.117	-0.085 *
PS Turdus-merula	1920-2020	-0.001	0.005 *	0.005	-0.022	0.002	0.004	47.354	-0.035
PS Turdus-pilaris	1930-2020	0.023	-0.002	0.106 **	0.024	-0.035 *	-0.004	48.760	0.016
PS Turdus-philomelos	1930-2020	-0.003	-0.006	0.025 *	0.058 **	-0.038 ***	-0.045 **	39.368	-0.035
PS Turdus-iliacus	1930-2020	0.018 *	-0.002	-0.005	-0.010	0.000	0.004	41.454	0.063
PS Turdus-viscivorus	1930-2020	-0.020	-0.030	0.064	0.022	-0.061	-0.039	41.980	0.180
PS Sylvia-atricapilla	1930-2020	-0.013 *	-0.037 **	-0.096 ***	-0.109 ***	0.045	0.035	31.710	0.122
PS Phylloscopus-collybita	1940-2020	0.013 *	0.034 *	-0.072	-0.103 *	-0.018	-0.025	34.307	0.074
PS Ficedula-hypoleuca	1930-2020	0.009	0.009	-0.052	-0.135	0.111	0.111	33.021	0.131
PS Aegithalos-caudatus	1940-2020	-0.007	0.022	-0.123 **	-0.082	0.033 *	0.024 *	46.665	0.102
PS Parus-ater	1940-2020	0.042	-0.017	-0.029	-0.068	-0.034	-0.019	48.469	-0.053
PS Parus-caeruleus	1930-2020	0.039 ***	0.039 ***	-0.040 *	-0.036	0.046 **	0.039 **	52.891	0.059 *
PS Parus-major	1920-2020	-0.008	-0.004	-0.005	-0.020	-0.002	-0.003	55.644	-0.007
PS Sitta-europaea	1930-2020	0.004	0.034	-0.036	-0.126 **	0.082 *	0.035	50.608	-0.005
NP Garrulus-glandarius	1930-2020	-0.021 *	-0.009	-0.056 **	-0.082 *	-0.011	-0.006	49.521	-0.040
NP Corvus-monedula	1920-2020	-0.012	0.013	0.017	0.061	0.025	0.018 *	51.331	0.049
NP Corvus-frugilegus	1930-2020	0.028 *	0.031 *	0.060	0.062	0.064 **	0.029	51.323	0.062
NP Corvus-corone	1920-2020	-0.024	-0.031 **	-0.056	-0.075	0.014	0.014	57.438	0.017
PS Sturnus-vulgaris	1920-2020	-0.027 **	0.003	-0.022	0.039 *	0.000	0.001	49.501	0.052
PS Passer-montanus	1930-2020	-0.019	-0.019	-0.038	-0.058	-0.013	-0.015	50.140	0.026
PS Fringilla-coelebs	1920-2020	0.001	0.033 **	-0.011	-0.032	0.032	0.031	49.731	0.086 *
PS Fringilla-montifringilla	1940-2020	0.076	0.155	-0.057	-0.050	0.007	0.020	62.184	0.015
PS Carduelis-chloris	1930-2020	0.040 **	0.011	-0.002	-0.031	0.069	0.014	51.431	0.073 **
PS Carduelis-carduelis	1940-2020	0.019	0.014	-0.160 ***	-0.194 ***	0.032	0.053	43.436	0.062
PS Carduelis-spinus	1940-2020	0.067 *	0.006	-0.223 **	-0.185 *	0.221 ***	0.063	56.123	-0.034
PS Carduelis-cannabina	1930-2020	0.002	-0.016	-0.082 **	-0.044	-0.028	0.003	43.242	0.103
PS Carduelis-flammea	1950-2020	-0.034	0.039	-0.059	0.042	0.066	0.051	55.645	0.013
PS Pyrrhula-pyrrhula	1930-2020	0.024	0.030	-0.017	-0.035	0.011	0.026	57.606	0.147 **
PS Coccothraustes-coccoth	1930-2020	0.029	0.017	0.033	0.000	0.012	0.030	45.493	0.147 *
PS Emberiza-citrinella	1930-2020	0.022 **	0.049 *	0.032	-0.018	0.115 ***	0.063 **	54.516	-0.024
PS Emberiza-schoeniclus	1930-2020	-0.018	0.010	-0.012	-0.055	0.080 **	0.066 **	50.296	0.212

Groupecies	decades	All_Rec_Lon	BW_Rec_Lon	Corr_Av	Corr_Lon-Slope	All_Dist	BW_Dist	All_Sedent	BW_Sedent
SG Fulmarus-glacialis	1930-2020	-0.130 *	-0.103	-3.998	-0.175	-3.356	-22.597 *	-0.438	0.884
SG Sula-bassana	1930-2020	0.065 *	0.065 *	-9.490	0.070	-1.519	-10.343 *	0.034	0.070
SG Phalacrocorax-carbo	1920-2020	0.127 ***	0.127 ***	2.146	0.219	3.861	8.045 **	-0.142	-0.165
SG Phalacrocorax-aristoteli	1920-2020	0.030	0.030	-2.636	0.054	-0.424	-0.491	0.403 *	0.237 **
WF Bubulcus-ibis	1960-2020	0.104	0.104	-7.082	0.102	-1.204	3.063 *	0.383	-1.186 *
WF Egretta-garzetta	1950-2020	0.096 *	0.096 *	-2.656	0.199	-8.554 *	-4.859	0.866 **	0.398
WF Ardea-cinerea	1930-2020	0.039 *	0.039 *	3.810	0.130	-1.959	-1.833	0.325 *	0.337
WF Ardea-purpurea	1930-2020	-0.202	-0.202	-6.407	0.183	6.079	17.040	0.333	-0.096
WF Ciconia-ciconia	1920-2020	-0.230 ***	-0.230 ***	20.565	-0.125	-14.301 ***	-74.458 ***	0.142 **	0.328 **
WF Platalea-leucorodia	1930-2020	-0.103	-0.102	10.566	-0.589 *	-4.167	-10.657	0.560 **	0.365 *
WF Phoenicopterus-ruber	1990-2020	0.157	0.157	6.322	-0.073	-4.584	-5.225	-0.572	0.494 *
WF Cygnus-olor	1950-2020	-0.025	-0.115	14.662	-0.038	0.091	0.309	-0.076	-0.087
WF Cygnus-cygnus	1980-2020	0.448	0.189	-13.923	0.127	-23.000 **	-13.539	1.653 **	0.683
WF Anser-fabalis	1960-2020	0.003	0.103 **	48.960	-0.192	-11.718	-19.143 *	0.319	0.000
WF Anser-brachyrhynchus	1960-2020	0.006	0.003	-0.492	-0.078	1.413	-0.222	-0.038	-0.041
WF Anser-albifrons	1960-2020	-0.011	0.042	60.774	0.147 **	-35.397	-20.822	1.429	0.666
WF Anser-anser	1940-2020	0.079 *	0.078 *	3.967	-0.141	-11.713 ***	-18.440 **	0.685 **	0.882 ***
WF Branta-canadensis	1960-2020	0.046	0.047	3.205	0.057	-0.406	-0.457	0.123	0.194
WF Branta-leucopsis	1960-2020	0.193 ***	0.109 **	30.202	0.124	-26.871 **	-38.127 ***	0.869	0.793 *
WF Tadorna-tadorna	1930-2020	0.047 *	0.037	1.114	0.094	1.006	-3.448	-0.141	0.317
WF Anas-penelope	1930-2020	0.099 *	0.070	40.131	0.970	-1.542	22.723 *	0.320	0.171
WF Anas-strepera	1950-2020	0.019	0.018	6.276	-0.404	-0.308	-9.249 *	0.077	0.300 *
WF Anas-crecca	1930-2020	0.031	0.031	20.720	0.254	7.186 **	8.116 *	-0.244 **	-0.011
WF Anas-platyrhynchos	1920-2020	-0.011	-0.013	13.277	-0.060	-1.176	-1.877	0.279	0.158
WF Anas-acuta	1920-2020	-0.064	-0.078	34.839	0.351	12.251 **	16.899 *	-0.518 *	0.006
WF Anas-clypeata	1930-2020	0.018	0.013	-6.529	-0.202	8.171 ***	-1.525	-0.135	0.003
WF Aythya-ferina	1940-2020	-0.003	0.035	22.692	0.297	-5.493	-4.463	-0.095	0.099
WF Aythya-fuligula	1930-2020	0.060	0.071	24.402	0.303	-4.950	-4.910	0.504 *	0.330 **
WF Somateria-mollissima	1930-2020	0.070	0.070	7.637	-0.007	0.060	2.275	0.248	-0.105
WF Bucephala-clangula	1940-2020	0.108 *	0.110 *	11.500	0.144 *	-7.872 **	-4.433	0.613 **	0.253 *
RO Mergus-mergamser	1930-2020	-0.062	-0.022	14.083	0.327	3.597	4.425	-0.089	0.568 *
RO Milvus-migrans	1940-2020	-0.040	-0.047	-8.518	-0.051	0.086	-9.453	0.413	0.326
RO Milvus-milvus	1930-2020	0.026	0.026	-5.147	0.026	-2.027	-11.804 **	0.147	0.728 **
RO Haliaeetus-albicilla	1930-2020	-0.039	-0.040	12.757	0.141	-7.836	-12.258 *	0.836 ***	0.825 **
RO Circus-aeruginosus	1930-2020	-0.062 ***	-0.062 ***	-5.838	-0.185	2.113	15.079 *	0.048	-0.097
RO Circus-cyaneus	1930-2020	-0.087 *	-0.090 **	-2.733	-0.072	-3.672 *	-3.046	0.662 ***	0.904 ***
RO Accipiter-gentilis	1930-2020	0.069 *	0.069 *	19.631	0.071	0.660 *	1.079 *	-0.194 *	-0.211 *
RO Accipiter-nisus	1930-2020	0.024	0.024	7.826	0.108	-2.840 **	-2.712 **	0.292 **	0.206 *
RO Buteo-buteo	1930-2020	-0.012	-0.012	13.035	0.233 *	-4.478 *	-4.228 *	0.657 ***	0.712 ***
RO Buteo-lagopus	1940-2020	-0.006	-0.006	25.433	0.005	0.503	-1.145	-0.102	0.000
RO Aquila-chrysaetos	1940-2020	0.083	0.086	25.789	-0.013	2.906	7.331	-0.003	-0.102
RO Pandion-haliaeetus	1930-2020	-0.082	-0.082	6.320	0.035	2.264	-8.609	0.467 ***	0.093 *
RO Falco-tinnunculus	1930-2020	-0.004	-0.003	2.518	-0.016	-1.100	-1.548	0.218 *	0.320 **
RO Falco-columbarius	1920-2020	-0.022	-0.022	-2.416	-0.122	1.047	-4.563	-0.285	-0.346
RO Falco-peregrinus	1920-2020	-0.120	-0.119	-2.380	-0.150	-0.092	-5.104	0.065	0.662 *
WF Gallinula-chloropus	1920-2020	0.045	0.027	0.929	0.018	0.956	-0.011	-0.151	-0.026
WF Fulica-atra	1930-2020	-0.074 *	-0.066 ***	6.983	-0.225	-6.370 ***	-6.387 *	0.463 ***	0.646 *
WD Haematopus-ostralegus	1920-2020	0.041 ***	0.020 *	0.241	-0.033	-0.126	-2.204 **	-0.013	0.291 **
WD Recurvirostra-avosetta	1920-2020	0.030	0.028	-3.510	0.035	-2.940	-8.488 *	0.447 *	0.313 **
WD Charadrius-hiaticula	1930-2020	0.005	0.006	-4.756	-0.046	-7.634	3.435	0.499 *	-0.025
WD Pluvialis-apricaria	1940-2020	0.060	0.071	6.994	0.493	-3.011	9.603	0.303	0.006
WD Vanellus-vanellus	1920-2020	0.037 **	0.037 **	-0.852	0.041	0.803	2.327	0.012	0.002
WD Calidris-canutus	1960-2020	-0.084	-0.027	-26.337	1.228	-6.631	-53.145 *	0.195	0.103
WD Calidris-alpina	1930-2020	0.093 *	0.089 *	18.615	-0.083	4.121	-5.275 *	-0.297	0.019
WD Philomachus-pugnax	1930-2020	-0.060	-0.059	1.357	-0.397	16.454 *	-3.176	0.079	0.000
WD Gallinago-gallinago	1930-2020	0.049 *	0.051 *	-1.343	0.089	7.296 **	9.327 *	-0.440 *	-0.377
WD Scolopax-rusticola	1930-2020	0.030	0.018	10.944	0.180	8.427	12.898 **	-0.379	-0.588 ***
WD Limosa-limosa	1930-2020	0.128 *	0.118 *	-14.252	0.199	4.736	-8.669	0.044	0.212
WD Numenius-arquata	1930-2020	0.058 ***	0.060 ***	5.183	0.282 *	-2.068	5.184	0.536 **	0.108
WD Tringa-totanus	1930-2020	0.060 *	0.045 *	-5.332	-0.090	-3.950	5.504	0.241	0.098
SG Stercorarius-skua	1940-2020	0.518	0.518	-17.086	0.340	-16.105 **	-30.131	0.833 ***	0.113
SG Larus-melanocephalus	1950-2020	-0.168	-0.169	14.737	-0.163 *	-23.468 **	-20.271 *	1.432 **	0.949 *
SG Larus-ridibundus	1920-2020	-0.067 **	-0.059 *	12.840	0.120	-3.413 ***	1.603	0.476 ***	0.176 ***
SG Larus-canus	1920-2020	0.025 *	0.043 ***	18.850	0.471	-1.154	3.370 *	0.267	0.063
SG Larus-fuscus	1920-2020	0.004	-0.001	5.506	0.079	-5.802 **	-0.280	0.458 ***	-0.083
SG Larus-argentatus	1920-2020	0.012	0.008	10.630	0.088	-0.422	1.010	0.215 **	-0.003
SG Larus-marinus	1930-2020	-0.035	-0.036	9.509	-0.087	-3.316 **	-2.654 *	0.482 ***	0.294 **
SG Rissa-tridactyla	1930-2020	0.236	0.236	-33.302	0.202	-19.469 *	-10.303	0.394 *	0.142 *
SG Sterna-caspia	1940-2020	-0.238 *	-0.238 *	4.624	-0.161	-0.551	3.451	0.304 *	0.013

Groupecies	decades	All_Rec_Lon	BW_Rec_Lon	Corr_Av	Corr_Lon-Slope	All_Dist	BW_Dist	All_Sedent	BW_Sedent
SG Sterna-sandvicensis	1920-2020	-0.005	-0.005	1.339	-0.022	-6.994	-11.320	0.726 ***	0.094
SG Sterna-dougallii	1950-2020	-0.134	-0.134			-8.633	-6.650	0.174	0.000
SG Sterna-hirundo	1920-2020	-0.120	-0.120	10.579	-0.294 *	-2.377	-15.146	0.709 **	0.081
SG Sterna-paradisaea	1930-2020	0.093	0.111	32.968	1.136	-8.997	8.238	0.448 *	0.057
SG Uria-aalge	1930-2020	-0.041	-0.041	6.711	-0.199	0.907	4.401 **	-0.013	-0.411 **
SG Uria-lomvia	1970-2020	0.044	0.044	-46.506	-0.290	-20.281 *	-10.089	0.389	0.000
SG Alca-torda	1930-2020	-0.101	-0.101	-1.358	-0.136	-1.991	1.871	0.344 *	0.043
SG Cephus-grylle	1930-2020	-0.030	-0.030	8.328	-0.158	-1.224 *	-1.643	0.450 ***	0.328
SG Fratercula-arctica	1930-2020	-0.105 *	-0.105 *	-9.406	0.040	0.211	6.562	0.053	0.022
NP Columba-oenas	1930-2020	0.006	0.004	-1.823	0.031	1.390	5.457	-0.142	-0.504
NP Columba-palumbus	1920-2020	-0.032 *	-0.032 **	-1.956	-0.031	1.311	0.324	-0.138	0.201 **
NP Streptopelia-decaocto	1960-2020	-0.048	-0.202 **	4.511	-0.147	-0.454	-0.986	0.096	0.212
RO Tyto-alba	1930-2020	-0.044 **	-0.044 **	5.028	-0.002	-0.301	-0.129	0.103	0.109
RO Glaucidium-passerinum	1960-2020	0.173 *	0.173 *			0.555	0.053	0.074	0.790
RO Athene-noctua	1930-2020	0.010	0.009	4.632	0.009	-0.136 *	-0.188 *	0.033	0.025
RO Strix-aluco	1930-2020	0.057	0.046	13.694	-0.068	-0.023	-0.085	-0.002	-0.014
RO Asio-otus	1930-2020	0.004	0.004	11.302	0.071	-0.748	-1.581	0.346 ***	0.610 ***
RO Asio-flammeus	1930-2020	-0.186	-0.185	11.070	-0.701	0.696	30.378	0.085	-0.379
NP Alcedo-atthis	1930-2020	-0.011	-0.012	5.163	-0.019	-0.821	-0.725	0.088	0.079
NP Dendrocopos-major	1930-2020	-0.077	-0.120 *	12.413	-0.160	-0.178	-0.158	0.026	0.004
PS Hirundo-rustica	1920-2020	-0.054	-0.054	18.296	0.055	-2.589	-30.597	0.015	0.438
PS Anthus-pratensis	1930-2020	0.091 *	0.070 *	-1.499	0.413	-6.868	3.716	0.525	0.056
PS Motacilla-cinerea	1940-2020	0.007	0.004	3.366	-0.236	-4.695	-12.747 **	0.292	0.428
PS Motacilla-alba	1920-2020	0.074	0.039	16.676	0.086	-2.906	-7.049	0.132	0.249
PS Cinclus-cinclus	1920-2020	0.001	0.080	13.582	0.100	0.310	4.089 *	-0.118	-0.684 *
PS Troglodytes-troglodytes	1930-2020	-0.033	-0.032	-0.280	-0.052 *	-0.541	0.178	0.094	-0.031
PS Prunella-modularis	1930-2020	-0.043 *	-0.004	-0.548	-0.099	-0.593	-1.291	0.057	0.112
PS Erithacus-rubecula	1930-2020	-0.006	-0.004	5.361	0.115	-1.070	0.695	0.052	-0.022
PS Phoenicurus-ochruros	1930-2020	-0.057	-0.079 *	11.626	0.250	-3.421	2.015	0.293	0.048
PS Turdus-merula	1920-2020	-0.025	-0.026	4.557	0.096	0.167	0.103	-0.009	0.054
PS Turdus-pilaris	1930-2020	-0.023	-0.041	9.622	0.064	-1.346	2.397	0.272 *	0.008
PS Turdus-philomelos	1930-2020	0.014	0.015	0.757	0.023	2.221 *	5.026 *	-0.085	-0.202 *
PS Turdus-iliacus	1930-2020	0.010	-0.003	10.096	0.110	-5.255	-1.237	0.381 **	0.120 *
PS Turdus-viscivorus	1930-2020	0.021	0.014	14.104	-0.941	6.627 *	1.174	-0.243	-0.021
PS Sylvia-atricapilla	1930-2020	-0.084	-0.100 *	4.693	-0.119	-7.789	-6.796	0.496 *	0.224
PS Phylloscopus-collybita	1940-2020	-0.083	-0.107	-3.263	-0.033	-2.453	5.582	0.190	-0.218
PS Ficedula-hypoleuca	1930-2020	0.057	0.057	-2.691	0.190	-10.120 **	-16.541	0.539 **	1.211 **
PS Aegithalos-caudatus	1940-2020	-0.110	-0.082	3.811	-0.358	-0.166	0.079	-0.042	-0.153
PS Parus-ater	1940-2020	-0.073	-0.070	4.894	-0.137	0.214	0.190	-0.056	-0.054
PS Parus-caeruleus	1930-2020	-0.040	-0.035	8.146	0.050	-0.180	-0.103	0.024	0.028
PS Parus-major	1920-2020	-0.017	-0.019	16.538	0.016	-0.015	-0.149	0.004	0.021
PS Sitta-europaea	1930-2020	-0.014	-0.123 *	10.987	0.014	-0.079	0.102	-0.008	-0.168
NP Garrulus-glandarius	1930-2020	-0.098 *	-0.076 *	10.269	-0.014	-0.995 **	-0.561 *	0.119 **	0.123
NP Corvus-monedula	1920-2020	0.019	0.076	9.142	0.070	-0.076	-1.429	-0.019	0.093
NP Corvus-frugilegus	1930-2020	0.049	0.039	23.295	0.162	-1.759	0.887	0.608	-0.129
NP Corvus-corone	1920-2020	-0.024	-0.027	11.234	-0.112	-1.049	-5.642 *	0.113	0.441 *
PS Sturnus-vulgaris	1920-2020	-0.006	-0.002	7.654	-0.021	1.820	2.702	-0.087	-0.084
PS Passer-montanus	1930-2020	-0.061	-0.055	13.869	0.044	-0.295	-0.641	0.201 **	0.193
PS Fringilla-coelebs	1920-2020	-0.035	-0.035	4.036	-0.082	-0.446	0.319	0.052	-0.014
PS Fringilla-montifringilla	1940-2020	-0.095	-0.001	19.858	-0.554 *	-16.003	-4.853	0.316	0.108
PS Carduelis-chloris	1930-2020	0.030	-0.035	9.523	0.014	-1.828 **	-0.233	0.190 *	0.141 *
PS Carduelis-carduelis	1940-2020	-0.134 *	-0.140 **	5.181	-0.241	-5.233 *	-6.621	0.478 *	0.496
PS Carduelis-spinus	1940-2020	-0.091	-0.123 *	12.532	-0.092 *	-7.909	-7.271	0.776 **	0.500 ***
PS Carduelis-cannabina	1930-2020	-0.026	-0.026	3.863	0.084 **	-4.381	-2.356	0.489 *	0.644 *
PS Carduelis-flammea	1950-2020	-0.040	-0.014	16.956	-1.104	-9.593 *	-1.934	1.099 *	0.450
PS Pyrrhula-pyrrhula	1930-2020	-0.030	-0.032	14.613	0.079	0.207	0.570	-0.056	-0.146
PS Coccothraustes-coccoth	1930-2020	0.015	0.001	14.657	-0.091	0.756	-0.919	-0.029	0.455
PS Emberiza-citrinella	1930-2020	0.037	-0.006	17.097	-0.030	-0.656	-1.788	0.027	0.247
PS Emberiza-schoeniclus	1930-2020	-0.015	-0.012	9.559	0.025	-11.096 **	-6.899 *	0.855 **	0.742 ***

Near-passerines

1921-1930

1931-1940

1941-1950



1951-1960

1961-1970

1971-1980

1981-1990



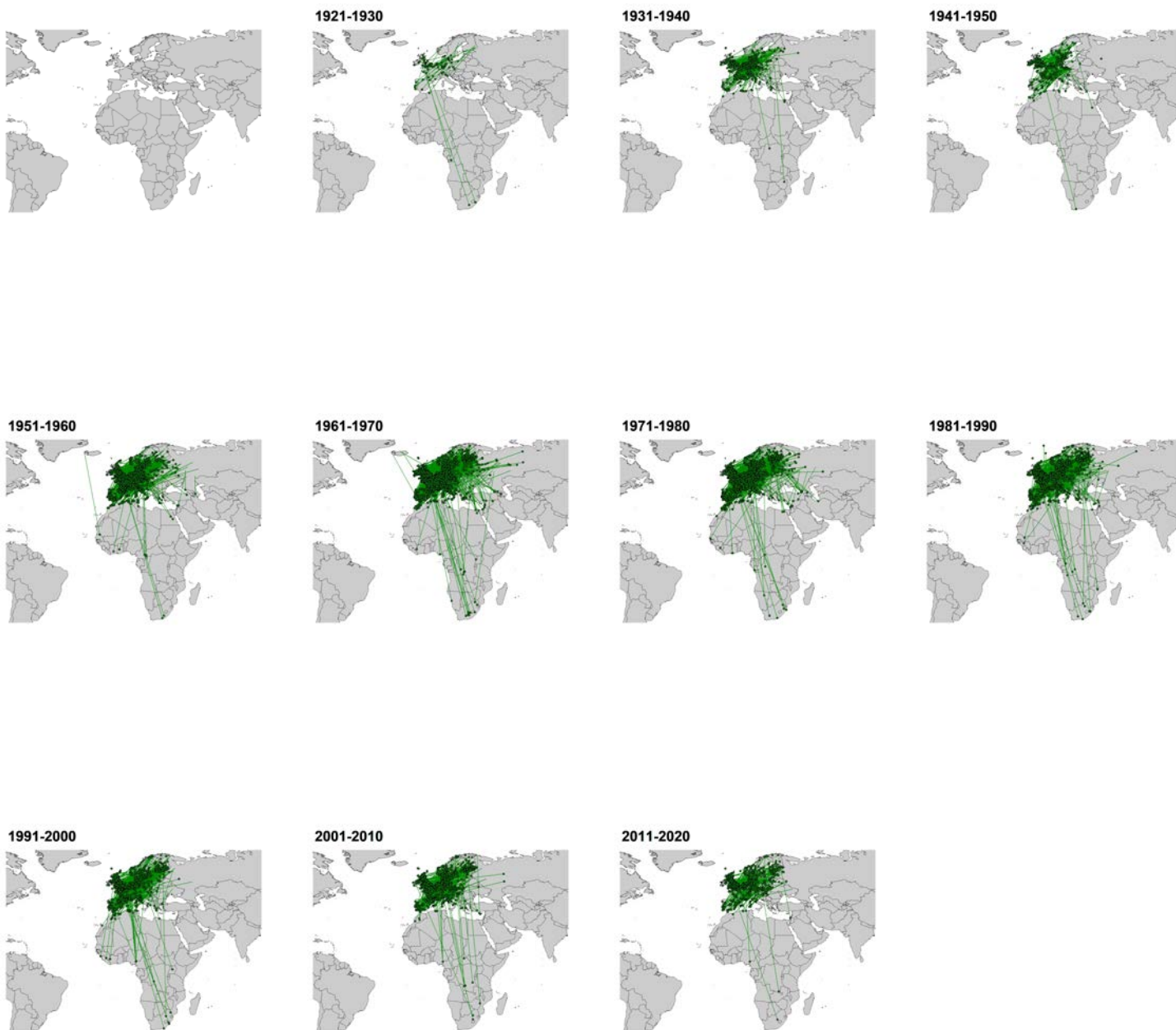
1991-2000

2001-2010

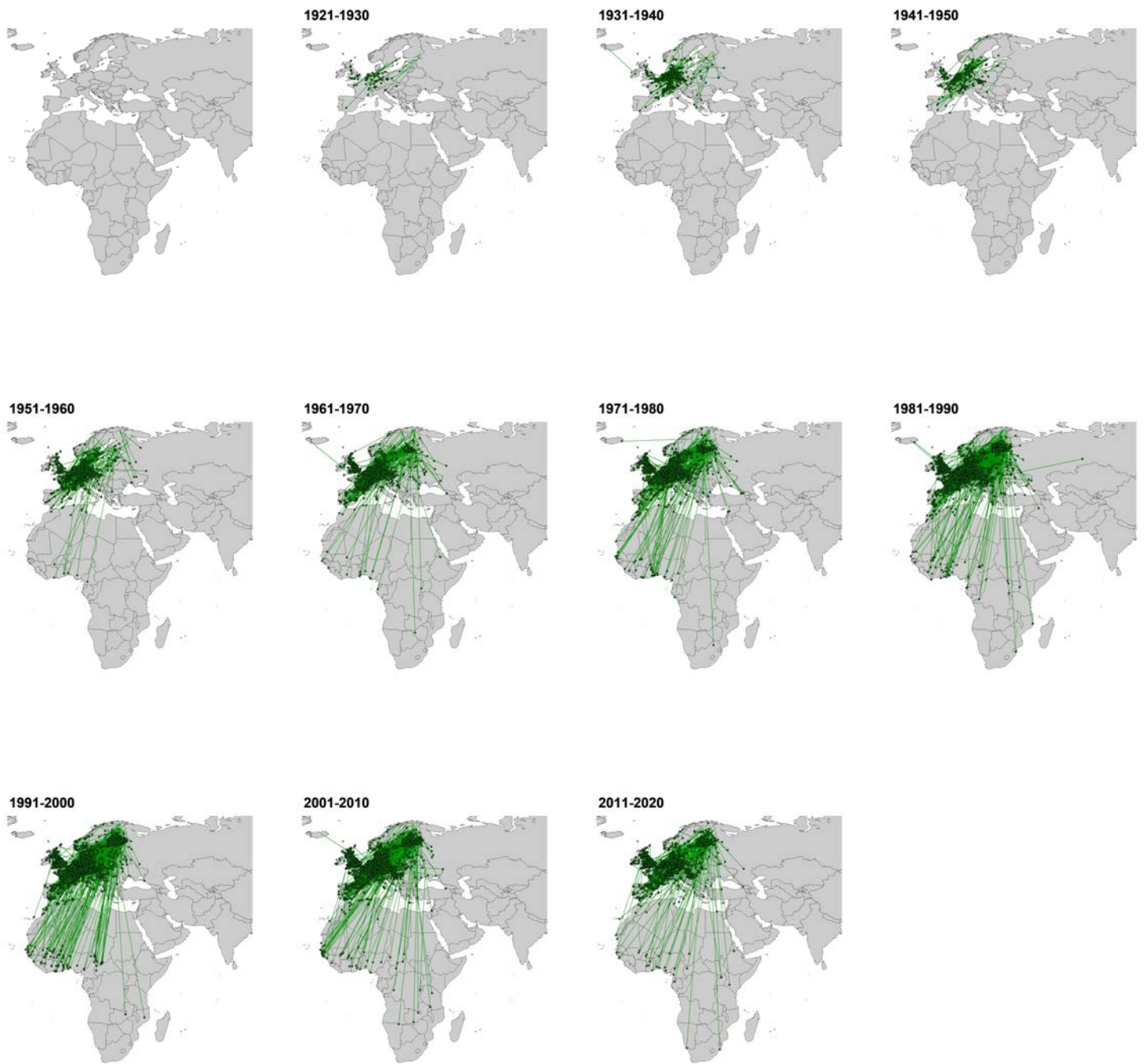
2011-2020



Passerines



Raptors and Owls



Gulls and Seabirds

1911-1920



1921-1930



1931-1940



1941-1950



1951-1960



1961-1970



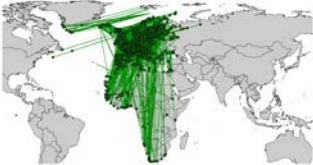
1971-1980



1981-1990



1991-2000



2001-2010



2011-2020



Waders

1911-1920



1921-1930



1931-1940



1941-1950



1951-1960



1961-1970



1971-1980



1981-1990



1991-2000



2001-2010



2011-2020



Wildfowl

1911-1920



1921-1930



1931-1940



1941-1950



1951-1960



1961-1970



1971-1980



1981-1990



1991-2000



2001-2010



2011-2020



Long-distance

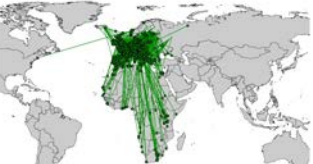
1911-1920



1921-1930



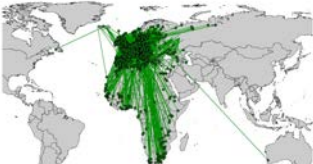
1931-1940



1941-1950



1951-1960



1961-1970



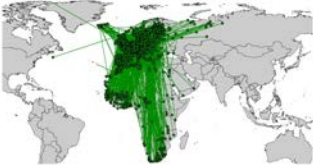
1971-1980



1981-1990



1991-2000



2001-2010



2011-2020



Short-distance

1911-1920



1921-1930



1931-1940



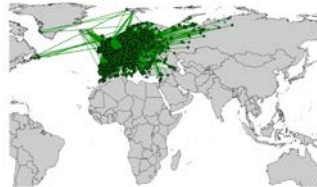
1941-1950



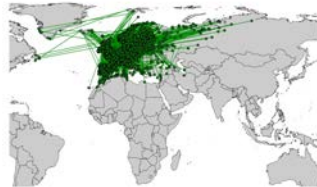
1951-1960



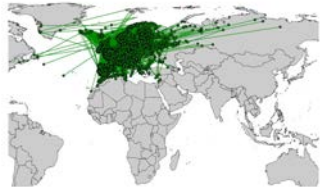
1961-1970



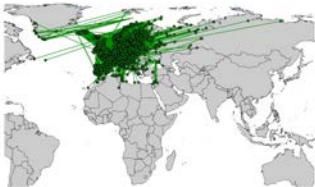
1971-1980



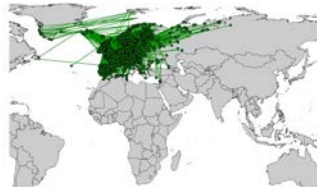
1981-1990



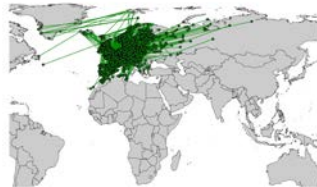
1991-2000



2001-2010



2011-2020



Fulmarus glacialis



Fulmarus glacialis



Sula bassana



Sula bassana



Phalacrocorax carbo



Phalacrocorax carbo



Phalacrocorax aristotelis



Phalacrocorax aristotelis



Bubulcus ibis



Bubulcus ibis



Egretta garzetta



Egretta garzetta



Ardea cinerea



Ardea cinerea



Ardea purpurea



Ardea purpurea



Ciconia ciconia



Ciconia ciconia



Platalea leucorodia



Platalea leucorodia



Phoenicopterus ruber



Phoenicopterus ruber



Cygnus olor



Cygnus olor



Cygnus cygnus



Cygnus cygnus



Anser fabalis



Anser fabalis



Anser brachyrhynchus



Anser brachyrhynchus



Anser albifrons



Anser albifrons



Anser anser



Anser anser



Branta canadensis



Branta canadensis



Branta leucopsis



Branta leucopsis



Tadorna tadorna



Tadorna tadorna



Anas penelope



Anas penelope



Anas strepera



Anas strepera



Anas crecca



Anas crecca



Anas platyrhynchos



Anas platyrhynchos



Anas acuta



Anas acuta



Anas clypeata



Anas clypeata



Aythya ferina



Aythya ferina



Aythya fuligula



Aythya fuligula



Somateria mollissima



Somateria mollissima



Bucephala clangula



Bucephala clangula



Mergus merganser



Mergus merganser



Milvus migrans



Milvus migrans



Milvus milvus



Milvus milvus



Haliaeetus albicilla



Haliaeetus albicilla



Circus aeruginosus



Circus aeruginosus



Circus cyaneus



Circus cyaneus



Accipiter gentilis



Accipiter gentilis



Accipiter nisus



Accipiter nisus



Buteo buteo



Buteo buteo



Buteo lagopus



Buteo lagopus



Aquila chrysaetos



Aquila chrysaetos



Pandion haliaetus



Pandion haliaetus



Falco tinnunculus



Falco tinnunculus



Falco columbarius



Falco columbarius



Falco peregrinus



Falco peregrinus



Gallinula chloropus



Gallinula chloropus



Fulica atra



Fulica atra



Haematopus ostralegus



Haematopus ostralegus



Recurvirostra avosetta



Recurvirostra avosetta



Charadrius hiaticula



Charadrius hiaticula



Pluvialis apricaria



Pluvialis apricaria



Vanellus vanellus



Vanellus vanellus



Calidris canutus



Calidris canutus



Calidris alpina



Calidris alpina



Philomachus pugnax



Philomachus pugnax



Gallinago gallinago



Gallinago gallinago



Scolopax rusticola



Scolopax rusticola



Limosa limosa



Limosa limosa



Numenius arquata



Numenius arquata



Tringa totanus



Tringa totanus



Stercorarius skua



Stercorarius skua



Larus melanocephalus



Larus melanocephalus



Larus ridibundus



Larus ridibundus



Larus canus



Larus canus



Larus fuscus



Larus fuscus



Larus argentatus



Larus argentatus



Larus marinus



Larus marinus



Rissa tridactyla



Rissa tridactyla



Sterna caspia



Sterna caspia



Sterna sandvicensis



Sterna sandvicensis



Sterna dougallii



Sterna dougallii



Sterna hirundo



Sterna hirundo



Sterna paradisaea



Sterna paradisaea



Uria aalge



Uria aalge



Uria lomvia



Uria lomvia



Alca torda



Alca torda



Cepphus grylle



Cepphus grylle



Fratercula arctica



Fratercula arctica



Columba oenas



Columba oenas



Columba palumbus



Columba palumbus



Anthus pratensis



Anthus pratensis



Motacilla cinerea



Motacilla cinerea



Motacilla alba



Motacilla alba



Cinclus cinclus



Cinclus cinclus



Troglodytes troglodytes



Troglodytes troglodytes



Prunella modularis



Prunella modularis



Erithacus rubecula



Erithacus rubecula



Phoenicurus ochruros



Phoenicurus ochruros



Turdus merula



Turdus merula



Turdus pilaris



Turdus pilaris



Turdus philomelos



Turdus philomelos



Turdus iliacus



Turdus iliacus



Turdus viscivorus



Turdus viscivorus



Sylvia atricapilla



Sylvia atricapilla



Phylloscopus collybita



Phylloscopus collybita



Ficedula hypoleuca



Ficedula hypoleuca



Aegithalos caedatus



Aegithalos caedatus



Parus ater



Parus ater



Parus caeruleus



Parus caeruleus



Parus major



Parus major



Sitta europaea



Sitta europaea



Garrulus glandarius



Garrulus glandarius



Corvus monedula



Corvus monedula



Corvus frugilegus



Corvus frugilegus



Corvus corone



Corvus corone



Sturnus vulgaris



Sturnus vulgaris



Passer montanus



Passer montanus



Fringilla coelebs



Fringilla coelebs



Fringilla montifringilla



Fringilla montifringilla



Carduelis chloris



Carduelis chloris



