

SUPPORTING INFORMATION 3 / MATERIALI SUPPLEMENTARI 3

Temporal trends in abundance and phenology of migratory birds across the Italian Alps during a 20-year period

Results of the model selection for the inter-annual trend of the number of birds ringed of 45 species (degree of freedom, AIC estimator, log-likelihood). / Risultati della selezione dei modelli che testano l'andamento annuale del numero di uccelli inanellati per 45 specie.

| Specie | MODT1 | | | MODT2 | | | MODT3 | | | MODT4 | | |
|--------------------------------------|-------|--------|---------|-------|--------|---------|-------|--------|---------|-------|--------|---------|
| | df | AIC | LogLik | df | AIC | LogLik | df | AIC | LogLik | df | AIC | LogLik |
| <i>Dendrocopos major</i> | 2 | 114,53 | -55,27 | 3 | 112,36 | -53,18 | 3 | 111,33 | -52,67 | 4 | 113,33 | -52,66 |
| <i>Anthus trivialis</i> | 2 | 160,37 | -78,18 | 3 | 158,31 | -76,15 | 3 | 156,65 | -75,32 | 4 | 158,58 | -75,29 |
| <i>Anthus pratensis</i> | 2 | 152,71 | -74,35 | 3 | 154,07 | -74,04 | 3 | 154,70 | -74,35 | 4 | 153,19 | -72,60 |
| <i>Anthus spinoletta</i> | 2 | 161,29 | -78,64 | 3 | 162,81 | -78,41 | 3 | 162,40 | -78,20 | 4 | 164,13 | -78,06 |
| <i>Troglodytes troglodytes</i> | 2 | 180,20 | -88,10 | 3 | 179,25 | -86,63 | 3 | 179,62 | -86,81 | 4 | 181,24 | -86,62 |
| <i>Prunella modularis</i> | 2 | 175,59 | -85,80 | 3 | 177,58 | -85,79 | 3 | 177,27 | -85,64 | 4 | 176,37 | -84,18 |
| <i>Erithacus rubecula</i> | 2 | 282,89 | -139,45 | 3 | 274,10 | -134,05 | 3 | 274,13 | -134,06 | 4 | 275,45 | -133,73 |
| <i>Phoenicurus ochruros</i> | 2 | 164,19 | -80,10 | 3 | 147,88 | -70,94 | 3 | 149,92 | -71,96 | 4 | 149,37 | -70,69 |
| <i>Phoenicurus phoenicurus</i> | 2 | 181,58 | -88,79 | 3 | 172,69 | -83,34 | 3 | 175,99 | -84,99 | 4 | 174,56 | -83,28 |
| <i>Saxicola rubetra</i> | 2 | 156,29 | -76,14 | 3 | 148,59 | -71,29 | 3 | 144,82 | -69,41 | 4 | 146,75 | -69,37 |
| <i>Turdus merula</i> | 2 | 184,94 | -90,47 | 3 | 173,80 | -83,90 | 3 | 170,88 | -82,44 | 4 | 172,75 | -82,37 |
| <i>Turdus philomelos</i> | 2 | 212,85 | -104,42 | 3 | 205,69 | -99,85 | 3 | 202,72 | -98,36 | 4 | 204,68 | -98,34 |
| <i>Turdus iliacus</i> | 2 | 120,73 | -58,37 | 3 | 122,49 | -58,25 | 3 | 121,19 | -57,59 | 4 | 120,01 | -56,01 |
| <i>Turdus viscivorus</i> | 2 | 147,77 | -71,88 | 3 | 148,14 | -71,07 | 3 | 146,51 | -70,26 | 4 | 147,55 | -69,78 |
| <i>Cettia cetti</i> | 2 | 135,88 | -65,94 | 3 | 137,54 | -65,77 | 3 | 137,56 | -65,78 | 4 | 139,53 | -65,77 |
| <i>Acrocephalus scirpaceus</i> | 2 | 202,24 | -99,12 | 3 | 201,61 | -97,81 | 3 | 198,32 | -96,16 | 4 | 198,18 | -95,09 |
| <i>Sylvia curruca</i> | 2 | 101,47 | -48,73 | 3 | 101,44 | -47,72 | 3 | 100,61 | -47,31 | 4 | 102,50 | -47,25 |
| <i>Sylvia communis</i> | 2 | 117,34 | -56,67 | 3 | 114,83 | -54,42 | 3 | 117,01 | -55,51 | 4 | 115,77 | -53,89 |
| <i>Sylvia borin</i> | 2 | 180,73 | -88,36 | 3 | 181,34 | -87,67 | 3 | 181,90 | -87,95 | 4 | 183,18 | -87,59 |
| <i>Sylvia atricapilla</i> | 2 | 202,37 | -99,19 | 3 | 200,86 | -97,43 | 3 | 201,20 | -97,60 | 4 | 202,83 | -97,42 |
| <i>Phylloscopus collybita</i> | 2 | 226,21 | -111,10 | 3 | 227,63 | -110,81 | 3 | 226,30 | -110,15 | 4 | 226,91 | -109,45 |
| <i>Phylloscopus trochilus</i> | 2 | 183,87 | -89,93 | 3 | 178,40 | -86,20 | 3 | 171,99 | -83,00 | 4 | 172,09 | -82,05 |
| <i>Regulus regulus</i> | 2 | 268,06 | -132,03 | 3 | 269,78 | -131,89 | 3 | 269,51 | -131,76 | 4 | 271,24 | -131,62 |
| <i>Regulus ignicapilla</i> | 2 | 177,84 | -86,92 | 3 | 171,12 | -82,56 | 3 | 163,01 | -78,50 | 4 | 162,67 | -77,34 |
| <i>Muscicapa striata</i> | 2 | 132,04 | -64,02 | 3 | 131,67 | -62,83 | 3 | 133,43 | -63,71 | 4 | 131,38 | -61,69 |
| <i>Ficedula hypoleuca</i> | 2 | 246,28 | -121,14 | 3 | 240,74 | -117,37 | 3 | 242,70 | -118,35 | 4 | 242,66 | -117,33 |
| <i>Aegithalos caudatus</i> | 2 | 183,31 | -89,65 | 3 | 181,66 | -87,83 | 3 | 177,31 | -85,65 | 4 | 175,43 | -83,72 |
| <i>Poecile montanus</i> | 2 | 145,34 | -70,67 | 3 | 144,84 | -69,42 | 3 | 144,83 | -69,42 | 4 | 146,75 | -69,38 |
| <i>Periparus ater</i> | 2 | 262,45 | -129,23 | 3 | 260,67 | -127,34 | 3 | 260,69 | -127,35 | 4 | 262,56 | -127,28 |
| <i>Cyanistes caeruleus</i> | 2 | 221,80 | -108,90 | 3 | 214,28 | -104,14 | 3 | 214,74 | -104,37 | 4 | 216,13 | -104,07 |
| <i>Parus major</i> | 2 | 183,52 | -89,76 | 3 | 178,40 | -86,20 | 3 | 177,69 | -85,85 | 4 | 179,65 | -85,82 |
| <i>Certhia familiaris</i> | 2 | 133,56 | -64,78 | 3 | 125,02 | -59,51 | 3 | 125,76 | -59,88 | 4 | 126,81 | -59,41 |
| <i>Lanius collurio</i> | 2 | 116,76 | -56,38 | 3 | 117,54 | -55,77 | 3 | 118,74 | -56,37 | 4 | 113,71 | -52,86 |
| <i>Fringilla coelebs</i> | 2 | 286,31 | -141,15 | 3 | 287,79 | -140,89 | 3 | 286,96 | -140,48 | 4 | 288,09 | -140,04 |
| <i>Fringilla montifringilla</i> | 2 | 259,62 | -127,81 | 3 | 261,62 | -127,81 | 3 | 261,62 | -127,81 | 4 | 263,61 | -127,80 |
| <i>Serinus serinus</i> | 2 | 113,71 | -54,86 | 3 | 115,41 | -54,71 | 3 | 115,36 | -54,68 | 4 | 117,36 | -54,68 |
| <i>Chloris chloris</i> | 2 | 175,52 | -85,76 | 3 | 174,09 | -84,05 | 3 | 174,15 | -84,08 | 4 | 175,99 | -83,99 |
| <i>Carduelis carduelis</i> | 2 | 162,02 | -79,01 | 3 | 160,15 | -77,08 | 3 | 159,74 | -76,87 | 4 | 161,72 | -76,86 |
| <i>Spinus spinus</i> | 2 | 296,31 | -146,15 | 3 | 298,23 | -146,12 | 3 | 298,28 | -146,14 | 4 | 299,10 | -145,55 |
| <i>Linaria cannabina</i> | 2 | 139,87 | -67,94 | 3 | 138,32 | -66,16 | 3 | 139,36 | -66,68 | 4 | 140,27 | -66,13 |
| <i>Loxia curvirostra</i> | 2 | 226,84 | -111,42 | 3 | 228,78 | -111,39 | 3 | 228,23 | -111,12 | 4 | 228,90 | -110,45 |
| <i>Pyrrhula pyrrhula</i> | 2 | 143,56 | -69,78 | 3 | 142,95 | -68,47 | 3 | 142,45 | -68,22 | 4 | 144,44 | -68,22 |
| <i>Coccothraustes coccothraustes</i> | 2 | 268,29 | -132,14 | 3 | 267,83 | -130,91 | 3 | 269,79 | -131,90 | 4 | 266,65 | -129,33 |
| <i>Emberiza cia</i> | 2 | 127,62 | -61,81 | 3 | 121,73 | -57,86 | 3 | 121,06 | -57,53 | 4 | 122,92 | -57,46 |
| <i>Emberiza schoeniclus</i> | 2 | 225,19 | -110,60 | 3 | 223,67 | -108,84 | 3 | 222,07 | -108,04 | 4 | 223,81 | -107,91 |