

Зоogeографические связи и генезис лесной орнитофауны Кавказа



*Zoogeographical links and genesis
of forest avifauna of the Caucasus*

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Звенигород
2013



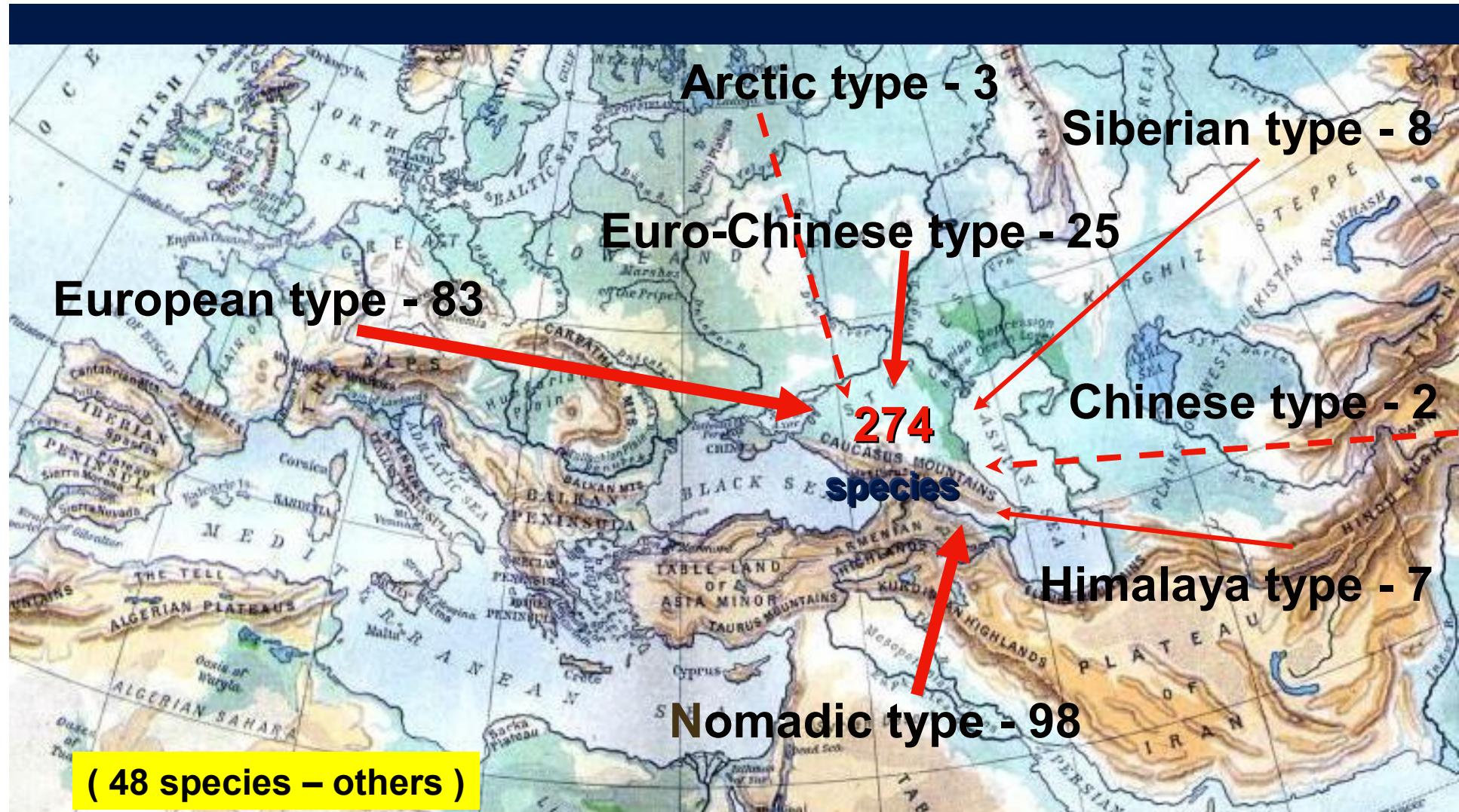


К.А. Сатунин, 1912. «О зоогеографических округах Кавказского края»

**Константин Алексеевич
Сатунин**
(20 мая 1863 г. – 10 ноября 1915 г.)







European type - 83

Nemorosus complex – 24

(**NO:** *Parus cristatus*,
Phylloscopus trochilus,
Ficedula albicollis,
Luscinia luscinia)

Euro-Chinese type - 25

Old-Nemorosus complex – 16

(no only *Cyanopica cyanus*)

Not in East Europe:

Ficedula semitorquata,
Phylloscopus lorenzii,
Phylloscopus nitidus,
Also: *Sitta krueperi*,
Certhia brachydactyla,
Luscinia megarhynchos,
Hippolais pallida,
Sylvia hortensis,
Sylvia mystacea,
Lanius senator,
Passer hispaniolensis



European subregion of the Palearctic

Central European province

East-European district



Distribution of subspecies of forest birds in the Caucasus and adjacent regions

Древне-неморальный фаунистический комплекс Евро-Китайского типа фауны

Species	Crimea	Caucasus	Talysh	Asia Minor
<i>Acc. gentilis</i>	C	C	C	Ю?
<i>Acc. nisus</i>	E	E	E	E
<i>Sco. rusticola</i>	●	●	—	—
<i>Cuc. canorus</i>	E	E	E	E
<i>Stri. aluco</i>	E	C	C	C?
<i>Jynx torquilla</i>	E	E	E	E
<i>Den. major</i>	E?	C	T	M
<i>Den. leucotos</i>	—	C	C	C
<i>Den. minor</i>	—	C	T	M
<i>Gar. glandarius</i>	U	C	T	C
<i>Tro. troglodytes</i>	C	C	C	E?
<i>Aeg. caudatus</i>	U	C	T	M
<i>Par. palustris</i>	—	C ?	—	M
<i>Sit. europaea</i>	—	C	T	M
<i>Cer. familiaris</i>	E	C	T	C
<i>Coc. coccothraustes</i>	C	C	C	E

Distribution of subspecies of forest birds in the Caucasus and adjacent regions

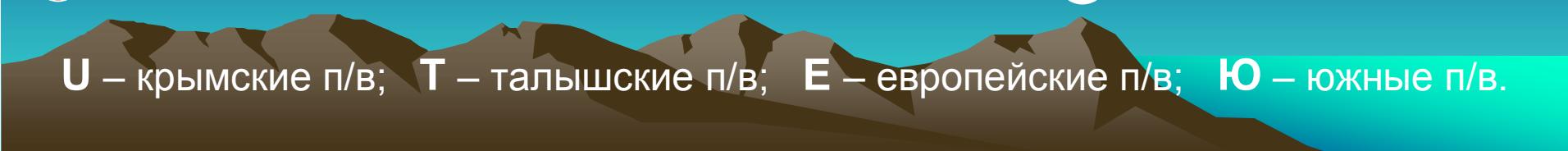
Древне-неморальный фаунистический комплекс Евро-Китайского типа фауны

Species	Crimea	Caucasus	Talysh	Asia Minor
<i>Acc. gentilis</i>	C	●	C	Ю?
<i>Acc. nisus</i>	E	E	E	E
<i>Sco. rusticola</i>	○	○	—	—
<i>Cuc. canorus</i>	E	E	E	E
<i>Stri. aluco</i>	E	●	C	C?
<i>Jynx torquilla</i>	E	E	E	E
<i>Den. major</i>	E?	●	T	M
<i>Den. leucotos</i>	—	●	C	C
<i>Den. minor</i>	—	●	T	M
<i>Gar. glandarius</i>	U	●	T	C
<i>Tro. troglodytes</i>	C	●	C	E?
<i>Aeg. caudatus</i>	U	●	T	M
<i>Par. palustris</i>	—	●?	—	M
<i>Sit. europaea</i>	—	●	T	M
<i>Cer. familiaris</i>	E	●	T	C
<i>Coc. coccothraustes</i>	C	●	C	E

Горно-таёжный фаунистический комплекс Сибирского типа фауны

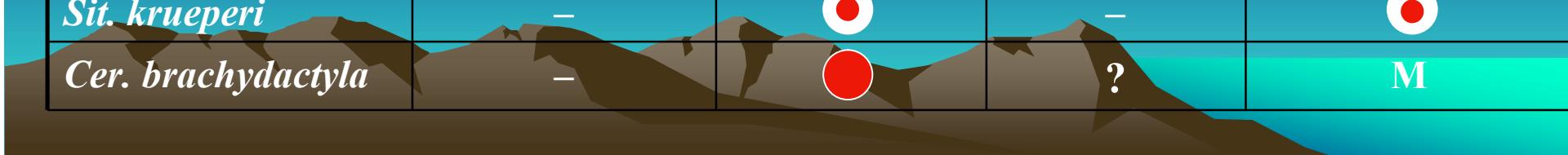
Species	Crimea	Caucasus	Talysh	Asia Minor
<i>Aeg. funereus</i>	C ?	●	–	E ?
<i>Dry. martius</i>	–	Ю	Ю	Ю
<i>Reg. regulus</i>	C ?	● ?	T ?	E ?
<i>Fic. parva</i>	–	E	E	E
<i>Par. hyrcanus</i>	–	–	T ?	–
<i>Par. ater</i>	U	● ●	T	E ?
<i>Spi. spinus</i>	●	●	●	●
<i>Lox. curvirostra</i>	C	●	–	E
<i>Pyr. pyrrhula</i>	–	●	T ?	C

● - эндемичные подвиды; C – кавказские подвиды; ○ - монотипические виды;



Субсредиземноморский комплекс Европейского типа фауны

Species	Crimea	Caucasus	Talysh	Asia Minor
<i>Den. syriacus</i>	E	●	C	M
<i>Hip. pallida</i>	—	B	B	B
<i>Hip. languida</i>	—	○	—	○
<i>Syl. nisoria</i>	E	E	E	E
<i>Syl. hortensis</i>	—	M	M	M
<i>Syl. communis</i>	E?	●	C	C
<i>Syl. curruca</i>	—	●	C	C
<i>Syl. mystacea</i>	—	○	○	—
<i>Reg. ignicapillus</i>	U	●	—	E
<i>Cer. galactotes</i>	—	B	B	M
<i>Lus. megarhynchos</i>	E	E+●	C	E
<i>Ira. hutturalis</i>	—	○	—	○
<i>Par. lugubris</i>	—	M	—	M
<i>Sit. krueperi</i>	—	●○	—	●○
<i>Cer. brachydactyla</i>	—	●	?	M



<u>Европейск. неморальный комплекс</u>	Crimea	Caucasus	Talysh	Asia Minor
<i>Acc. brevipes</i>	—	●	●	●
<i>Otus scops</i>	E	E	E	E
<i>Pic. viridis</i>	—	Ю	Ю	Ю
<i>Den. medius</i>	—	●	C	M
<i>Ori. oriolus</i>	E	E	E	E
<i>Pru. modularis</i>	C	●	C	E
<i>Hip. icterina</i>	?	E ?	T	—
<i>Syl. atricapilla</i>	E ?	●	C	C
<i>Syl. borin</i>	?	E	E	—
<i>Phy. collybita</i>	—	●	C	E ?
<i>Phy. lorenzii</i>	—	●	—	—
<i>Phy. sibilatrix</i>	●	●	—	—
<i>Fic. hypoleuca</i>	—	E	—	—
<i>Fic. semitorquata</i>	—	●	●	●
<i>Mus. striata</i>	E	E	E	E
<i>Pho. phoenicurus</i>	Ю	Ю	Ю	Ю
<i>Eri. rubecula</i>	U	●	T	E ?
<i>Tur. merula</i>	C	●	C	E ?
<i>Tur. philomelos</i>	E	E	E	E
<i>Tur. viscivorus</i>	E	E	E	E
<i>Par. caeruleus</i>	E ?	●	C	M
<i>Par. major</i>	E	E	E	E
<i>Fri. coelebs</i>	U	U ●	C	E

Crimea

Not: *Pic. viridis*

Dry. martius

Den. leucotos

Den. minor

Fic. hypoleuca

Fic. semitorquata

Fic. parva

Phy. collybita

Phy. lorenzii

Par. palustris

Pyr. pyrrhula

Extinct:

Den. medius

Sit. europaea

Aqu. chrysaetos

Etc...

Crimean-Caucasian province

Crimean district

Caucasian district



European subregion of the Palearctic

Central European province

East-European district

Crimean
district

Crimean-Caucasian
province

Caucasian
district

Mountain's forests of Asia Minor

Pontic district

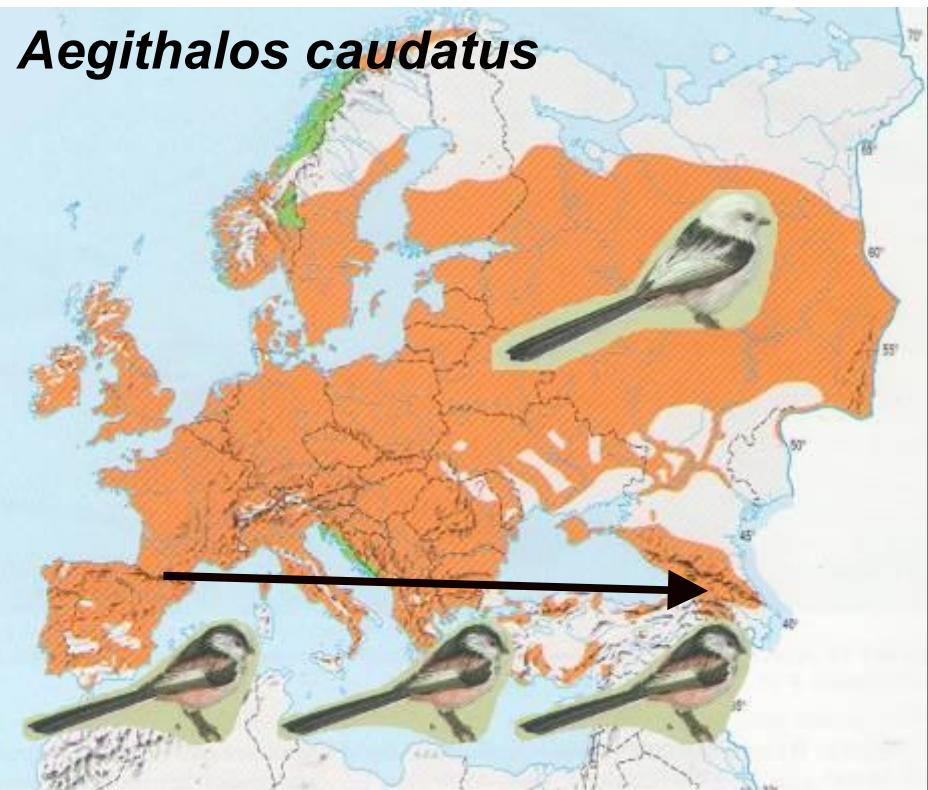
Sub-Mediterranean
province

58% European subspecies
in Nemorosus complex;
33% European subspecies
in Old-Nemorosus complex;
Very much of Sub-Mediterranean
and other southern species

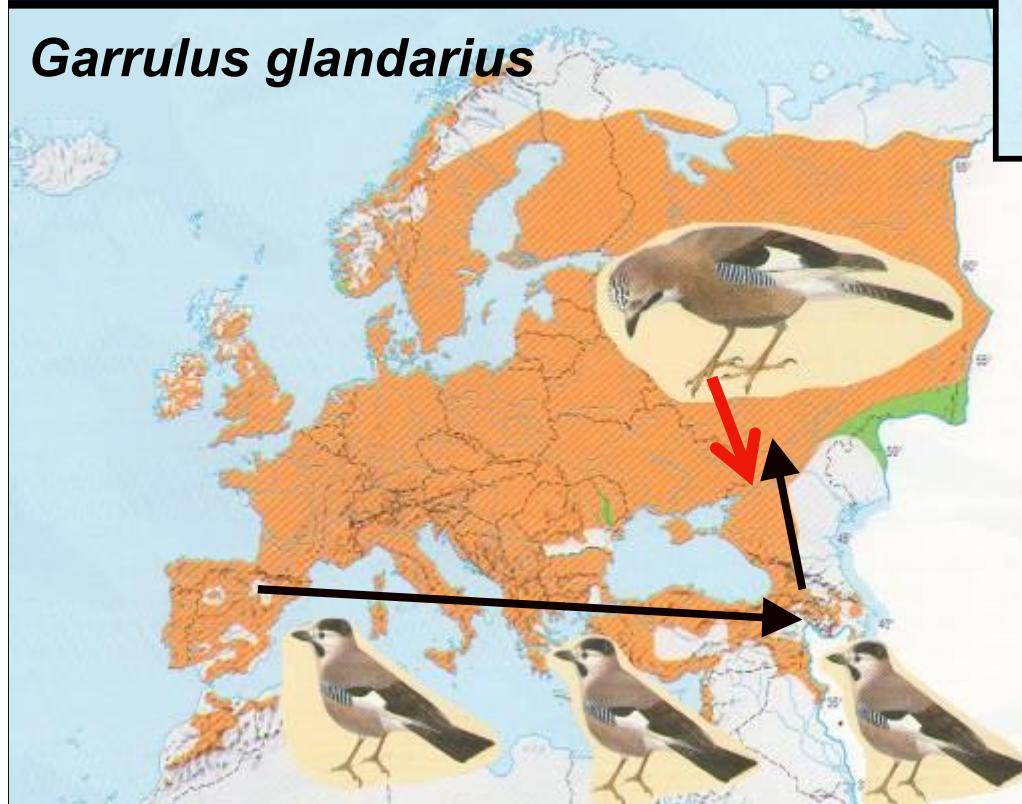
Girkanian
district

**Distribution of subspecies
of some Old-Nemorosus birds
in Western Palearctic**
(after: Snow, Perrins, 1998)

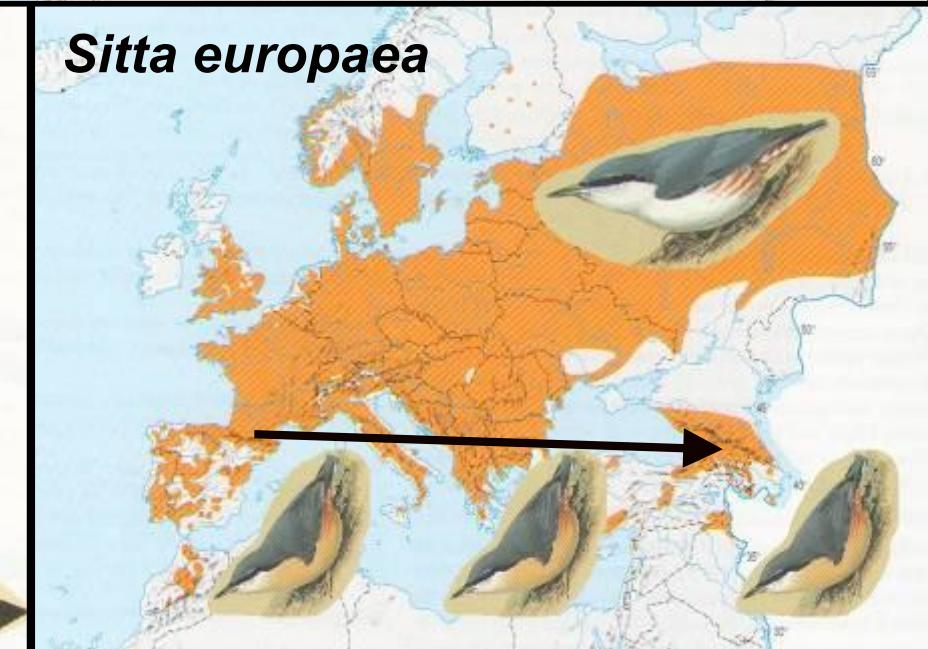
Aegithalos caudatus

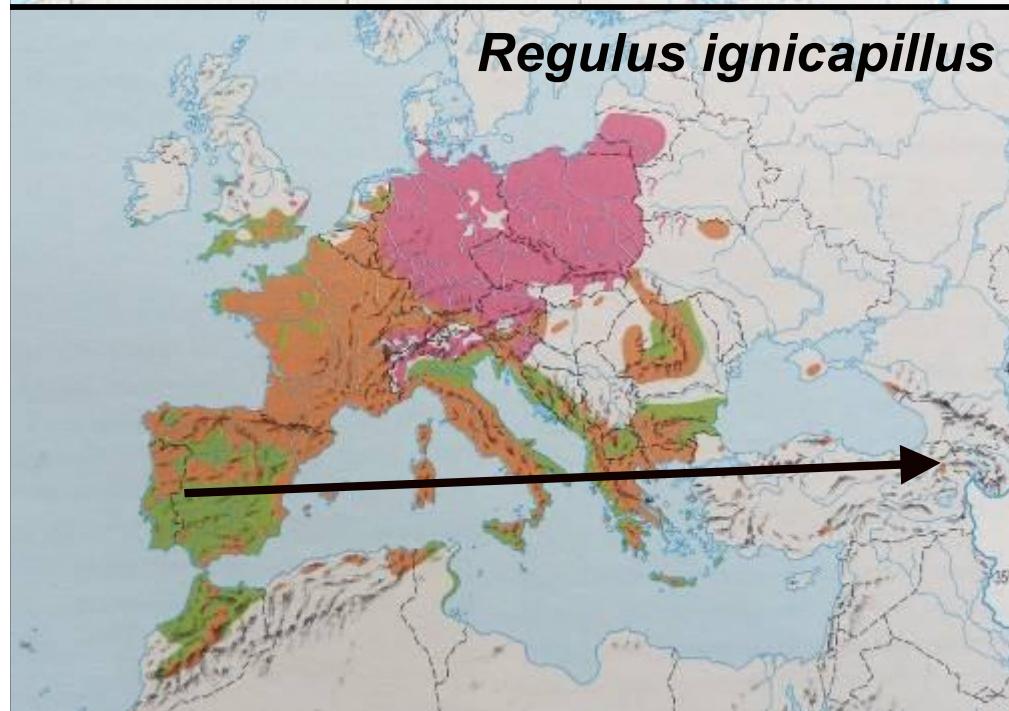
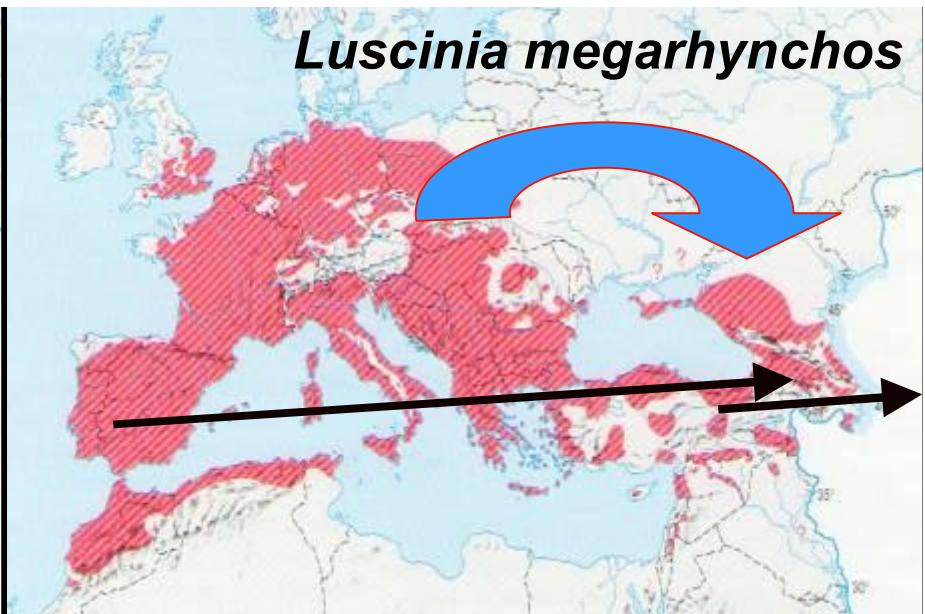
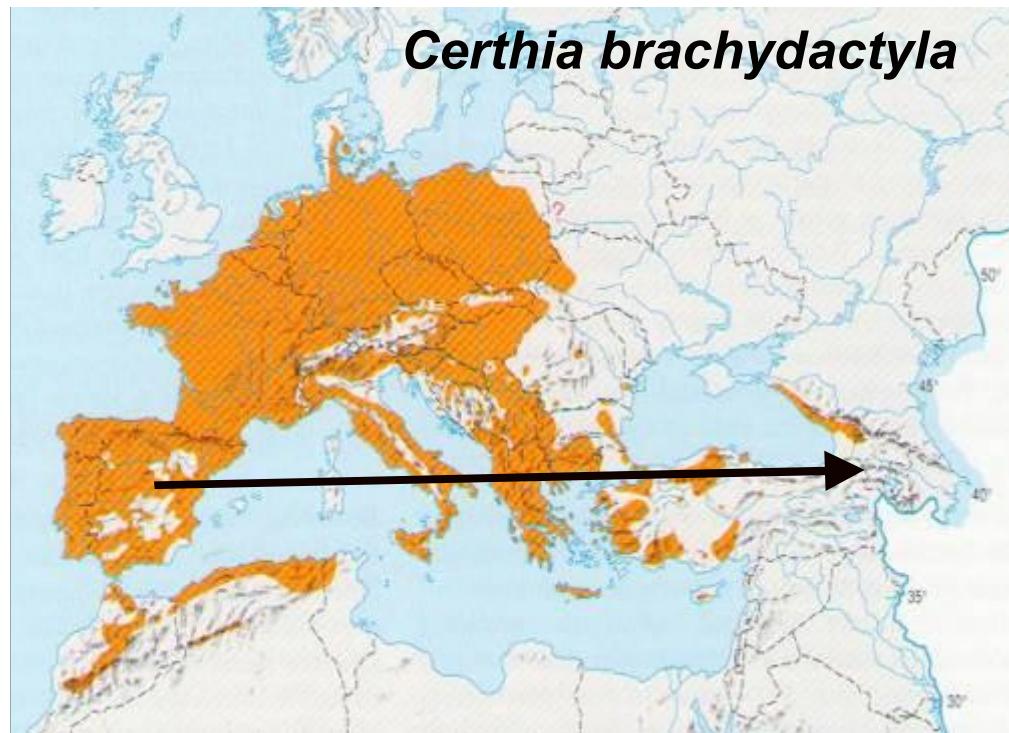


Garrulus glandarius



Sitta europaea





Distribution
of some Sub-Mediterranean species
in Western Palearctic
(after: Snow, Perrins, 1998)



Sources, time and route of birds expansion in Caucasus

Nemorosus complex
of the European type
of the Palearctic fauna



Sources, time and route of birds expansion in Caucasus

**Old-Nemorosus complex
of the Euro-Chinese type
of the Palearctic fauna**



Sources, time and route of birds expansion in Caucasus

**Sub-Mediterranean
complex of the European
type of the Palearctic fauna**



Sources, time and route of birds expansion in Caucasus

Mountain's taiga complex of the Siberian type of the Palearctic fauna



Благодарю всех за внимание!

