First GPS monitoring of the Capercaillie in high mountain habitats in France

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Introduction: One of the southernmost subspecies of the Capercaillie (Tetrao urogallus), in the Pyrenees (mountain range at the border between France and Spain), is using different landscapes from the usual habitats of the species, i.e. typically large areas of semi-open litt gentle relieves. In contrast, Pyrenean landscape features are constituted of relatively thin patches of good Capercaillie habitats, especially subalpine forests and shrublands, highly fragmented by deep valleys, high mountains, alpine meadows, and unsuitable forests. Since 30 years, French and Spainsh state services and hunting organizations have tried to improve the carrying captor (by the Capercaillie) in the Pyrenees.

Since 15 years, significant efforts have been made in ski resorts to re-establish connectivity between surrounding populations in order to help them to maintain and even develop.

. Most of the landscape is constituted by subalpine and alpine habitats much of which being unsuitable for the ar-cuts without logging distributed in two forests patches, to simulate forest gaps created by storms, that led to the alturally expanding and looking very suitable for the Capercallile. Nevertheless, parts of the ground cover is made of in an experimental plot.

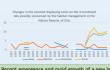


























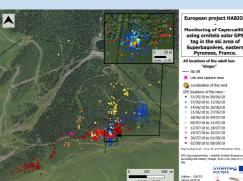


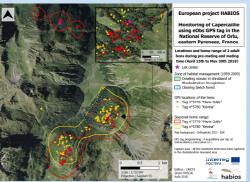


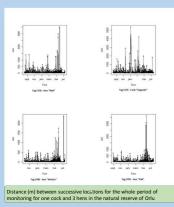




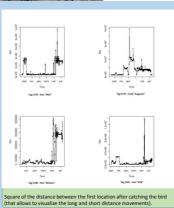
alysis: We performed all the analyses using 2 R packages ADEHABITAT: LT: Trajectory Analysis (Lavielle), HR: Home Range (MCP and Kernel with B

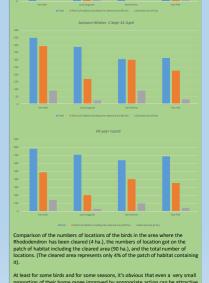












- enough.

 On the total number of monitored birds in Habios, two adult hens are attended 2 different leks during the mating season (Orlu study area), and one adult cock is attended several leks (low mountains in Cataluña, near the southern limit of the range of the species-García, Camprodon et al. com. pers.)...

 Most of the habitats used by our monitored birds are quickly expending both as a consequence of the climate changes and of the changes of land use by man, especially pioneer stands of Mountain pine, Birch and Rowan. Thus, we can expect in the next decades an expansion of the range of the Capercaillie toward the higher altitude, may be able to compensate the degradation of the habitats observed in the foothills and at lower altitudes.



















