HOSTING GROUPS FOR INTERNATIONAL MOBILITY

Wildlife Conservation

My main research interests are camera-trapping, artificial intelligence, non-invasive genetic sampling and citizen science applied to wildlife conservation. Although the majority of my studies were focusing on wild cat species, I am also happy to work on species belonging to other taxa. Similarly, many of my studies were conducted at large spatial scale, from global to continental, although local patterns are crucial for estimating the risk of extinction in threatened species. Overall, I am particular keen on understanding how species react to human disturbance and how mitigate this conflict. I am used to work on large datasets which requires mixed modelling frameworks to account for the different levels of hierarchy and "noise" usually present in ecological datasets. While computer lab studies have been dominant over the last years, I am a well trained field zoologist. My collaborations span from veterinarians to geneticists and informatics. I am a member of the Snow Leopard Network since 2012 and of the Eurowildcat team since 2018.



Team members: Stefano Anile

Selected publications:

Azizan, A., Anile, S., Nielsen, C. K., Paradis, E., & Devillard, S. (2023). Population density and genetic diversity are positively correlated in wild felids globally. Global Ecology and Biogeography, geb.13727. <u>https://doi.org/10.1111/geb.13727</u>

Matias, G., Rosalino, L. M., Alves, P. C., Tiesmeyer, A., Nowak, C., Ramos, L., Steyer, K., Astaras, C., Brix, M., Domokos, C., Janssen, R., Kitchener, A. C., Mestdagh, X., L'Hoste, L., Titeux, N., Migli, D., Youlatos, D., Pfenninger, M., Devillard, S., ... Monterroso, P. (2022). Genetic integrity of European wildcats: Variation across biomes mandates geographically tailored conservation strategies. Biological Conservation, 268, 109518. <u>https://doi.org/10.1016/j.biocon.2022.109518</u>

Anile, S., & Devillard, S. (2020). Spatial variance-mass allometry of population density in felids from camera-trapping studies worldwide. Scientific Reports, 10(1), Article 1. <u>https://doi.org/10.1038/s41598-020-71725-0</u>

Anile, S., & Devillard, S. (2018). Camera-trapping provides insights into adult sex ratio variability in felids. Mammal Review, 48 (3), 168–179. <u>https://doi.org/10.1111/mam.12120</u>

Anile, S., & Devillard, S. (2015). Study design and body mass influence RAIs from camera trap studies: Evidence from the Felidae. Animal Conservation, 19 (1), 35–45. <u>https://doi.org/10.1111/acv.12214</u>