

## Publications:

- In Nature:** **Fabrizio Sergio**, Alessandro Tanferna, Renaud De Stephanis, Lidia Lopez Jimenez, Julio Blas, Giacomo Tavecchia, Damiano Preatoni & Fernando Hiraldo. Individual improvements and selective mortality shape lifelong migratory performance.
1. Blanco, G. **Sergio, F.**, Sánchez-Zapata, J.A., Pérez-García J.M., Botella, F., Martínez, F., Zuberogoitia, I., Frías, O., Roviralta, F., Martínez, J.E. & Hiraldo, F. 2012. Safety in numbers? Supplanting data quality with fanciful models. *Biodiversity and Conservation*: DOI 10.1007/s10531-012-0344-9.
  2. Tanferna, A., Lopez-Jimenez, L., Blas, J., Hiraldo, F. & **Sergio, F.** 2012. Different location sampling frequencies by satellite tags yield different estimates of migration performance: pooling data requires a common protocol. *Plos One* (in press).
  3. Tenan, S., Adrover, J., Muñoz Navarro, A., Sergio, F. & Tavecchia, G. 2012. Demographic consequences of poison-related mortality in a threatened bird of prey. *Plos One* (in press).
  4. **Sergio, F.**, Blas, J., Blanco, G., Tanferna, A. López, L., Lemus, J. y Hiraldo, F. 2011. Raptor nest decorations are a reliable threat against conspecifics. *Science* 331: 327-330.
  5. **Sergio, F.**, Tavecchia, G., Blas, J., López, L., Tanferna, A. y Hiraldo, F. 2011. Agestructured vital rates in a long-lived raptor: implications for population growth. *Basic and Applied Ecology* 12: 107-115.
  6. **Sergio, F.**, Blas, J., López, L., Tanferna, A., Díaz-Delgado, R., Donázar, J. A. y Hiraldo, F. 2011. Coping with uncertainty: breeding adjustments to an unpredictable environment in an opportunistic raptor. *Oecologia* 166: 79-90.
  7. Blas, J., **Sergio, F.**, Wingfield, J. C. y Hiraldo, F. 2011. Experimental tests of endocrine function in breeding and nonbreeding raptors. *Physiological and Biochemical Zoology* 84: 406-416.
  8. Lambrecht, M.M., Wiebe, K.L., Sunde, P., Solonen, T., **Sergio, F.** et al. 2011. Nest box design for the study of diurnal raptors and owls is still an overlooked point in ecological, evolutionary and conservation studies: a review. *Journal of Ornithology* 153: 23-34.
  9. Alcaide, M., López, L., Tanferna, A., Blas, J., **Sergio, F.** y Hiraldo, F. 2010. Simultaneous analysis of multiple PCR amplicons enhances capillary SSCP discrimination of MHC alleles. *Electrophoresis* 31: 1-4.
  10. Blas, J., López, L., Tanferna, A., **Sergio, F.**, Hiraldo, F. 2010. Reproductive endocrinology of wild, long-lived raptors. *General and Comparative Endocrinology* 168: 22-28.
  11. Blas, J., **Sergio, F.** y Hiraldo, F. 2009. Age-related reproduction in a long-lived raptor: a cross-sectional and longitudinal study. *Ecography* 32 (2009): 647-657.
  12. **Sergio, F.**, Blas, J., Baos, R., Forero, M. G., Donázar, J. A. y Hiraldo, F. 2009. Short and long-term consequences of individual and territory quality in a diurnal raptor. *Oecologia* 160: 507-514.
  13. **Sergio, F.**, Blas, J. y Hiraldo, F. 2009. Predictors of floater status in a long-lived bird: a cross sectional and longitudinal test of hypotheses. *Journal of Animal Ecology* 78: 109-118.
  14. **Sergio, F.**, Marchesi, L. y Pedrini, P. 2009. Conservation of Scops Owls *Otus scops* in the Alps: relationships with grassland management, predation risk and wider biodiversity. *Ibis* 151: 40-50.
  15. **Sergio, F.**, Caro, T., Brown, D., Clucas, B., Hunter, J., Ketchum, J., McHugh, K. y

- Hiraldo, F. 2008. Top predators as conservation tools: ecological rationale, assumptions and efficacy. *Annual Review in Ecology Evolution and Systematics* 39: 1-19.
16. **Sergio, F.** y Hiraldo, F. 2008. Intraguild predation in raptor assemblages: a review. *Ibis* 150: 132-145.
17. **Sergio, F.**, Marchesi, L. y Pedrini, P. 2008. Density, diet and productivity of the long-eared owl *Asio otus* in the Italian Alps: the importance of *Microtus* voles. *Bird Study* 55: 321-328.
18. **Sergio, F.**, Newton, I. y Marchesi, L. 2008. Top predators and biodiversity: much debate, few data. *Journal of Applied Ecology* 45: 992-999.
19. Penteriani, V., Delgado, M., Alonso-Alvarez, C., y **Sergio, F.** 2007. The importance of visual cues for nocturnal species: eagle owls signal by badge brightness. *Behavioral Ecology* 18: 143-147.
20. Penteriani, V., Delgado, M., Alonso-Alvarez, C., Viqueira Pina, N., **Sergio, F.**, Bartolommei, P. y Thompson, L. J. 2007. The importance of visual cues for nocturnal species: eagle owl fledglings signal with white mouth feathers. *Ethology* 113: 934-943.
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27. **Sergio, F.**, Pedrini, P., Rizzolli, F. y Marchesi, L. 2006. Range selection by Golden Eagles in a changing landscape: a multiple modelling approach. *Biological Conservation* 133: 32-41.
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29. Penteriani, V., Alonso-Alvarez, C., Delgado, M. M., **Sergio, F.** y Ferrer, M. 2005. Brightness variability in the white badge of the Eagle owl. *Journal of Avian Biology* 37: 110-116.
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- population diet studies due to sampling in heterogeneous environments: a case study with the eagle owl. *Journal of Field Ornithology* 76: 238-245.
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35. **Sergio, F.**, Blas, J., Forero, M., Fernández, N., Donázar, J. A. y Hiraldo, F. 2005. Preservation of wide-ranging top predators by site-protection: black and red kites in Doñana National Park. *Biological Conservation* 125: 11-21.
36. **Sergio, F.**, Newton, I. y Marchesi, L. 2005. Top predators and biodiversity. *Nature* 436: 192.
37. **Sergio, F.**, Scandolaro, C., Marchesi, L., Pedrini, P. y Penteriani, V. 2005. Effect of agroforestry and landscape changes on Common buzzards (*Buteo buteo*) in the Alps: implications for conservation. *Animal Conservation* 7: 17-25.
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