

INFORMAZIONI PERSONALI Davide Mirante

OCCUPAZIONE PER LA QUALE SI CONCORRE Assegno di Ricerca Tipologia I

POSIZIONE RICOPERTA Dottorando

TITOLO DI STUDIO Laura Magistrale in Scienze e Gestione delle Risorse Faunistico-Ambientali

ESPERIENZA PROFESSIONALE

01/2022 – 12/2024

Doctor of philosophy

Sapienza University of Rome (Rome) – Supervisor: Luca Santini

- Organized and conducted a camera-trapping and passive acousti monitoring study to explore fine-tuning strategies of mammals and birds to rapid shifts in human pressure. Specifically, I modeled species presence/absence against covariates of anthropogenic disturbance, while controlling for the average spatial and temporal pattern of the species, to explore wildlife patterns in response to human pressure.
- Conducted a metanalysis to explore and assess shifts in glucocorticoid concentrations caused by human disturbance, and the role of species traits in modulating such responses. Specifically, I explored the role of traits such as diet, body mass, migratory behaviour, terrestriality, in shaping glucocorticoid responses of wildlife to different types of human disturbance.

05/2021 – 10/2021

Research Assistant

Research institute for wildlife and ecology (FIWI) – Vetmeduni (Vienna)

- Statistical analyses (R v.4.0.5) of a long time series capture-mark-recapture database regarding the Glis glis population of Vienna woods to evaluate the effect of weather and environmental factors on phenology and biometric parameters.
- Field work: capture of the samples, biometric measurements, microchip implant.
- Collaboration with the research group to develop two different behavioural biology experiments, including experimental design, definition of the pseudo-randomization protocols/algorithms and assembling of the physical apparatuses. Consequently, assistance to data collection and experimental trials.

01/2019 – 05/2019

Internship

Animal ecology and biodiversity conservation Lab. – UNIFI Biology Department (Florence)

- Statistical analyses of a long time series hunting bag database to evaluate changes in migration phenology and abundance of multiple species of the Scolopacidae and Turdidae families.

- Collaboration for the drafting of Tuscany 2020 hunting game plan: partitioning of the regional territory in suitable and non-suitable areas for the presence of *Capreolus capreolus* using GIS softwares (QGIS and GRASS GIS), focusing on land-use and potential impact of the species on human activities.
- Installation of nets and capture of the hares in the repopulation and capture zone of Imola's territorial hunting area (ATC).
- Installation of drive nets and handling of the animals for the capture of roe deers (*Capreolus capreolus*) in a peri-urban estate.

06/2019 – 10/2019 Technical Operator

Monte Labbro's wildlife park – "Parco Faunistico del Monte Amiata" (Grosseto)

- Drafting of a radio-tracking project for the wolves living in the park: market research, setup of the software and the parameters (signal transmission delay, drop-off conditions, beacon frequency, virtual fence delimitation, etc...), organization of the operating procedures in case of an escape from the area.
- Redevelopment of the park: events organization to promote the park, restoration of hiking trails and fences, insertion of the park in a local touristic network.
- Management of the wildlife residing in the park: animal keeping duties (food and water, support to possible veterinary visits), weekly monitoring of the fences of the park, small repairs and recovery of escaped animals.

05/2017 – 09/2017 Internship

Gran Sasso – Monti della Laga National Park (Isola del Gran Sasso)

- Setting up of traps for the appennine chamois (*Rupicapra pyrenaica ornata*) and handling of the animals during the captures.
- Participation in the National Park human-wildlife coexistence LIFE project (LIFE Natura COEX) involving evaluation and installation of fences for crop or livestock protection, education of local farmers and breeders on education methods and best practices for livestock guarding dogs.
- Assistance and biometric measurements in necropsies on species of the park (*Rupicapra pyrenaica ornata*, *Canis lupus italicus* or hybrids, *Gyps fulvus*, *Lepus spp.*, *Capreolus capreolus*, etc.).

ISTRUZIONE E FORMAZIONE

10/2017 – 06/2020

M.sc in Science and management of faunal and environmental resources

University of Florence - Faculty of Agriculture and Forestry

- Graduated: 110/110 Cum Laude

09/2014 – 09/2017

B.Sc in Animal welfare and protection

University of Teramo - Faculty of Veterinary Medicine

- Graduated: 110/110 Cum Laude

COMPETENZE PERSONALI

Lingua madre Italian

Altre lingue

English

COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
Ascolto	Lettura	Interazione	Produzione orale	
Fluent	Fluent	Fluent	Fluent	Fluent

Competenze comunicative

Excellent written and verbal communication skills. Confident, articulate, and professional speaking abilities.acquired during my Ph.D. and my previous professions.

Competenze organizzative e gestionali

Strong skills in project management, and resource coordination to ensure efficient workflows. Not the best for what concerns organization though.

Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente avanzato	Utente intermedio	Utente avanzato

- High proficiency in R programming and ongoing training through Datacamp professional certified courses.
- Programming bases with Python.
- Good proficiency with GIS softwares (QGIS and GRASS).
- Excellent knowledge of Microsoft Office, in particular Excel and Access.

Patente di guida

B

ULTERIORI INFORMAZIONI

Pubblicazioni

- Mirante, D., Ancillotto, L., Zampetti, A., Coiro, G., Pisa, G., Santocchi, C., Giuliani, M., Santini, L. (2024). Fine-Tuning Coexistence: Wildlife's Short-Term Responses to Dynamic Human Disturbance Patterns. *Global Ecology and Conservation*, 54:2351-9894. DOI: 10.1016/j.gecco.2024.e03053
- Saracino, D., Santini, L., Mirante, D., Ancillotto, L. (2024). Traits and trails: Guild-specific effects of forest paths on bat activity, *Forest Ecology and Management*, 569:0378-1127. DOI: 10.1016/j.foreco.2024.122204
- Giuliani, M., Mirante, D., Abbondanza, E., Santini, L. (2024). Acoustic indices fail to represent different facets of biodiversity. *Ecological Indicators*, 166:1470-160X. DOI: 10.1016/j.ecolind.2024.112451
- Santini L., Mendez Angarita V.Y., Karoulis, C., Fundarò D., Pranzini N., Vivaldi C., Zhang T., Zampetti A., Gargano S.J., Mirante D., Paltrinieri L. (2024). TetraDENSITY 2.0 – A database of population density estimates in Tetrapods. *Global Ecology & Biogeography*. DOI: 10.1111/geb.13929

Appartenenza a gruppi /
associazioni

..Active member of the italian chapter of the Society for Conservation Biology (SCB-Italy).

Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Il sottoscritto dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Data

f.to

09/12/2024