



Théophile L. Mouton

Conservation ecologist

INFORMATION

31 Years old

Montpellier, France

+33 7 52 06 90 74

theophile.mouton92@gmail.com

LANGUAGES

French

English

Spanish

SOFTWARES

- R, Python
- QGIS, ArcGIS
- Microsoft suite
- Slack, Zoom, Teams

REFERENCES

Prof. Fabien Leprieur
Macroecologist
fabien.leprieur@umontpellier.com

Dr. Jonathan Tonkin
Freshwater ecologist
jonathan.tonkin@canterbury.ac.nz

Prof. Sylvain Dolédec
Freshwater ecologist
sylvain.doledec@univ-lyon1.fr



WORK EXPERIENCE

2023 - 2024 **IUCN SSC SSG** International Union for the Conservation of Nature Species Survival Commission Shark Specialist Group – Montpellier (remote), France

Postdoctoral Researcher

- Coordinate the submission of Important Shark and Ray Areas across the Mediterranean and Black Seas and the Western Indian Ocean Region
- Lead research on shortfalls in the protection of Important Shark and Ray Areas in the Central and South American Pacific

2021 - 2022 **FRB - CESAB** Foundation for Research on Biodiversity, Montpellier, France
Research scientist

- Analyse data on human population growth within and near protected areas in the USA
- Lead research on human disturbance impacts on freshwater biodiversity in New Zealand
- Present research findings orally within a large international research group (PARSEC)

2019 - 2020 **IFREMER** Institute of Research for the Exploitation of the Sea, Sète, France
Research scientist

- Conduct fieldwork in Mediterranean coastal environments
- Lead research on human disturbance impacts on marine coastal biodiversity
- Present research findings orally at the Joint Research Unit MARBEC

2017 - 2019 **NIWA** National Institute for Water and Atmospheric Research, Hamilton, New Zealand.
Research assistant

- Assist research projects with statistical modelling and GIS tasks
- Lead research on human disturbance impacts on freshwater biodiversity
- Present research findings orally at internal and external events



EDUCATION

2019 - 2023 **University Claude Bernard Lyon I, France**
PhD in Macroecology

2014 - 2016 **University of Pau and Pays de l'Adour, France**
MSc in Dynamics of Aquatic Ecosystems

2011 - 2014 **University Montpellier 2, France**
BSc in Ecology and Organisms Biology



LinkedIn:
Théophile L. Mouton

Researchgate:
Théophile L. Mouton

Github:
TheophileMt92

Mouton T.L., Gonzalez-Pestana A., Rohner C.A., Charles R., García-Rodríguez E., Kyne P.M., Battle-Morera A., Notarbartolo di Sciara G., Armstrong A.O. et al. (2024). "Shortfalls in the protection of Important Shark and Ray Areas undermine shark conservation efforts in the Central and South American Pacific." Submitted to: Marine Policy. (under review)

Mouton T.L., A. Boyé, M. Mclean, J.D. Tonkin, S. Dolédec, N. Bonada, M. Floury, P. Verburg, N. Mouquet, D. Mouillot, F. Leprieur (2024). "Climate change reverses the latitudinal species and trait richness gradients of river invertebrates." Submitted to: Proceedings of the Royal Society B: Biological Sciences. (under revision)

Pimiento C., C. Albouy, D. Silvestro, **T. L. Mouton**, L. Velez, D. Mouillot, A. B. Judah, J. N. Griffin and F. Leprieur (2023). "Functional diversity of sharks and rays is highly vulnerable and supported by unique species and locations worldwide." Nature Communications 14(1): 7691.

Mouton T. L., F. Leprieur, M. Floury, F. Stephenson, P. Verburg and J. D. Tonkin (2022). "Climate and land-use driven reorganisation of structure and function in river macroinvertebrate communities." Ecography **2022**(3): e06148.

Mouton T. L., F. Stephenson, L. G. Torres, W. Rayment, T. Brough, M. McLean, J. D. Tonkin, C. Albouy and F. Leprieur (2022). "Spatial mismatch in diversity facets reveals contrasting protection for New Zealand's cetacean biodiversity." Biological Conservation **267**: 109484.

Stephenson F., A. A. Rowden, T. Brough, G. Petersen, R. H. Bulmer, J. R. Leathwick, A. M. Lohrer, J. I. Ellis, D. A. Bowden, S. W. Geange, G. A. Funnell, [...] **T. L. Mouton**, et al. (2022). "Development of a Seafloor Community Classification for the New Zealand Region Using a Gradient Forest Approach." Frontiers in Marine Science **8**(792712).

Mouton T.L., J.D. Tonkin, F. Stephenson, P. Verburg, M. Floury (2020). "Increasing climate-driven taxonomic homogenization but functional differentiation among river macroinvertebrate assemblages." Global Change Biology. **00**:1–12.

Stephenson F., J.E. Hewitt, L.G. Torres, **T.L. Mouton**, T. Brough, K.T. Goetz, C.J. Lundquist, A. B. MacDiarmid, J. Ellis, and R. Constantine (2021). "Cetacean conservation planning in a global diversity hotspot: dealing with uncertainty and data deficiencies". Ecosphere **12**(7)

Stephenson F., K. Goetz, B.R. Sharp, **T.L. Mouton**, F.L. Beets, J. Roberts, A.B. MacDiarmid, R. Constantine and C.J. Lundquist (2020). "Modelling the spatial distribution of cetaceans in New Zealand waters." Diversity and Distributions **26**(4): 495-516.

Mouton T.L., F.E. Matheson, F. Stephenson, P. D. Champion, S. Wadhwa, M.P. Hamer, A. Catlin and T. Riis (2019). "Environmental filtering of native and non-native stream macrophyte assemblages by habitat disturbances in an agricultural landscape." Science of The Total Environment **659**: 1370-1381.



SCIENTIFIC REPORTS

Jabado R., P.M. Kyne, E. Garcia-Rodriguez, R. Charles, A.O. Armstrong, **T.L. Mouton**, A. Gonzales-Pestana, A. Battle-Morera, C.A. Rohner (2024). Western Indian Ocean: a regional compendium of Important Shark and Ray Areas. IUCN SSC SSG Shark Specialist Group.

Jabado R., E. Garcia-Rodriguez, P.M. Kyne, R. Charles, A.O. Armstrong, J. Bortoluzzi, **T.L. Mouton**, A. Gonzales-Pestana, A. Battle-Morera, C.A. Rohner, G. Notarbartolo di Sciara (2023). Mediterranean and Black Seas: a regional compendium of Important Shark and Ray Areas. IUCN SSC SSG Shark Specialist Group.

Stephenson F, Rowden A., Anderson T., Hewitt J., Costello M., Pinkerton M., Morrison M., Clark M., Wadhwa S., **Mouton T.L.**, Lundquist C.J. (2018). Mapping Key Ecological Areas in the New Zealand Marine Environment: Data collation. Prepared for the Department of Conservation. November 2018

Stephenson F., Goetz K., **Mouton T.L.**, Beets F., Hailes S., Roberts J., Pinkerton M., MacDiarmid A. (2020). Spatial distribution modelling of New Zealand cetacean species. Fisheries New Zealand. New Zealand Aquatic Environment and Biodiversity Report No. 240. 217 p.

de Winton, M., **Mouton T.L.** (2018) Technical Report on Vegetation Status in Waituna Lagoon: 2009–2018. Prepared for Department of Conservation.