

OFFERTA TESI MAGISTRALE - Italiano o Inglese

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Testing automated approaches to prioritise IUCN Red List reassessments

The IUCN Red List is the most authoritative and comprehensive source of information to monitor extinction risk globally. In the Red List, species are assessed using standardized criteria and classified into one of seven categories of risk from Least Concern to Extinct. The Red List influences policy, legislation, and management across the globe. Yet maintaining the Red List up to date has become increasingly difficult, as the list is rapidly expanding to include new species (ca. 120,000 to date). Under the current funding scheme, the increasing number of species assessed means most of the assessments may soon become outdated. We aim at accelerating IUCN Red List assessments for rapid and effective biodiversity monitoring.

We are looking for an MSc student willing to work as part of a new project just started at Sapienza University, also in collaboration with an international working group (<https://www.idiv.de/en/sredlist.html>). The student will collect life-history and threat data on a sample of amphibian, bird, and mammal species, and will test automated approaches for estimating species Red List categories using machine learning algorithms. The student will also be supervised by a postdoc researcher who will work as part of the project.

