日時： 2020年8月11日(火) (14:00 – 14:40)

場所： 今年度はZoomでのリモート開催となります

Estimation of animal behaviour

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Abstract： Understanding of spatial utilization of animals is essential to promote biodiversity conservation, animal damage control, and dispersion control of invasive species effectively. Recently, small animal-borne data loggers have been widely applied to record behavior of animals, called Bio-Logging. Each species has species-specific environmental preferences (i.e. ecological niche), and based on this premise, I try to estimate the probabilities of species distribution and abundance of wildlife animals using species-environment relationships, called habitat modeling. On the other hand, behavioural monitoring is also difficult for animals reared at farms and zoos. So, I have been recording acceleration of these animals using a data logger, and applied time-series analysis (e.g. hidden markov model) to estimate their behavior to establish low time- and effort-consuming monitoring approach for assessing animal's quality of life.

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